[WSCALENDAR-568] Missing PIM-PSM mappings for recurrences Created: 22/Apr/15 Updated: 22/Apr/15 Resolved: 22/Apr/15	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM WD14
Fix Version/s:	PIM WD15

Type:	Bug	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	William Cox		

Resolution:	Include necessary text in Appendix C for mapping Recurrences from PIM to the RFC5545 recurrence components.

Description

Include mapping rules for recurrences

Comments

Comment by William Cox (Inactive) [22/Apr/15]

These mappings are largely the identity. Need to make explicit for Appendix C.

[WSCALENDAR-567] Update reference to "Calendar Availability" draft to new Standards Track Document Created: 27/Mar/15 Updated: 22/Apr/15 Resolved: 27/Mar/15	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM WD14
Fix Version/s:	PIM WD15

Type:	Bug	**Priority:**	Minor
Reporter:	William Cox (Inactive)	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	Michael Douglass		

Resolution:	Make it so.

Description

New version of the Calendar Availability Draft is available.

New reference:

C. Daboo, M. Douglass, Calendar Availability, https://datatracker.ietf.org/doc/draft-ietf-calext-availability/, IETF Internet Draft Version 00, 23 March, 2015.

Vavailability types need to be fully sychronized with Internet Draft 05 (WSCALENDAR-541)

[WSCALENDAR-566] Change attribute name for VavailabilityType::busy to availabilityBusy

Created: 21/Mar/15 Updated: 22/Apr/15 Resolved: 21/Mar/15

Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CS01
Fix Version/s:	PIM WD15

Type:	Sub-task	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	Michael Douglass (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	William Cox		

Proposal:	
Resolution:	Change VavailabilityType::busy to "availabilityBusyType" Change the specification to match. This is really a WD14 issue but it's not released yet in Jira.

Description

The attribute name "busy" in VavailabilityType does not follow our NIEM practice. It should be availabilityBusy. This also avoids name conflict ("the attribute busy has the value busy from enumeration AvailabilityBusyType").

This is really a WD14 issue but it's not released yet in Jira.

Allow full Recurrence Function for both Gluon and Availability (WSCALENDAR-564)

[WSCALENDAR-565] Draft inheritance rules for RecurrenceType among Gluons

Created: 21/Mar/15 Updated: 22/Apr/15 Resolved: 22/Apr/15

Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CS01
Fix Version/s:	PIM WD15

Type:	Sub-task	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	William Cox from 20150320 TC meeting.		

Proposal:	Disallow inheritance in the PIM: Recurrence information in the nearest Gluon to a Sequence is applied. PSMs MAY permit more complex inheritance, in which case a PSM claiming conformance MUST describe and define Recurrence inheritance rules.
Resolution:	Disallow inheritance in the PIM for recurrence: Recurrence information in the nearest Gluon to a Sequence is applied. PSMs MAY permit more complex inheritance, in which case a PSM claiming conformance MUST describe and define Recurrence inheritance rules.

Description

Need edits to the set of inheritance rules for Gluons in PIM.

The PIM-WS-Calendar PSM mapping also need to profile out the RecurrenceType in GluonType and the Vavailability classes.

[WSCALENDAR-564] Allow full Recurrence Function for both Gluon and Availability Created: 21/Mar/15 Updated: 06/Jun/15 Resolved: 21/Mar/15	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CS01
Fix Version/s:	PIM WD15

Type:	New Feature	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	Michael Douglass (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	William Cox based on 20150320 TC Meeting		

Sub-Tasks:					
	Key	**Summary**	**Type**	**Status**	**Assignee**
	WSCALENDAR-565	Draft inheritance rules for Recurrenc...	Sub-task	Closed	William Cox
Proposal:	Create RecurrenceType (or RecurType) with attributes exdate, rdate, rRule. Create recurrence attribute in AvailableType and GluonType cardinality [0..1] Delete duplicated attributes in WD14 AvailableType. Follow standard NIEM practice isolating the conformed strings within named classes.				
Resolution:	Address full recurrence semantics as used in Availability and Gluons				

Description

The Recurrence functionality for Vavailability (in AvailabilityType) should also be available for Gluons.

A RecurrenceType class containing RRules, Exdate, and Rdate as RFC5545 conformed strings is also needed for reuse - in GluonType and AvailableType.

Note that WD14 AvailableType does NOT have Rdate.

Descriptive rules for inheritance of RecurrenceType need to be created. I suggest that

RecurrenceType inheritance shall not cross the Gluon-Interval boundary; replacement rather than logical operations seems much simpler to process.

Comments

Comment by William Cox (Inactive) [21/Mar/15]

To Mike for evaluation based on 20150320 meeting.

[WSCALENDAR-563] Make IntervalType.tolerance optional [0..1] to match pattern in rest of PIM Created: 13/Mar/15 Updated: 22/Apr/15 Resolved: 21/Mar/15	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CS01
Fix Version/s:	PIM WD15

Type:	Bug	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	William Cox		

Resolution:	Change cardinality of IntervalType.tolerance from [1..1] to [0..1] and add note in specification related to that optionality.

Description

In the updated Vavailability classes, where an attribute may have no content (e.g. WD14 VavailabilityType.timeRange) the attribute itself is specified as option (cardinality 0..1).

IntervalType.tolerance does not follow that pattern, and is mandatory even if the object of ToleranceType has no content because all of its attributes are optional.

Vavailability types need to be fully sychronized with Internet Draft 05 (WSCALENDAR-541)

[WSCALENDAR-561] Allow VavailabilityType.priority to be optional consistent with Internet Draft 05

Created: 12/Mar/15 Updated: 06/Jun/15 Resolved: 12/Mar/15

Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CS01
Fix Version/s:	PIM WD14

Type:	Sub-task	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	Michael Douglass (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	Steve Ray 20150305 https://lists.oasis-open.org/archives/ws-calendar-comment/201503/msg00001.html		

Resolution:	Make priority optional; this is consistent with Internet Draft 05. Adjust ~~WSCALENDAR-560~~ to be consistent with this decision. Propose reconsideration to authors of Standards Track Vavailability RFC.

Description

On behalf of the ASHRAE SPC201 committee, we would like to request Vavailability.priority be an optional attribute. Our reading of RFC5545 shows this attribute to be optional, and we expect that routine usage will not need this attribute.

Vavailability types need to be fully sychronized with Internet Draft 05 (WSCALENDAR-541)

[WSCALENDAR-560] Priority needed in VavailabilityType

Created: 02/Mar/15 Updated: 22/Apr/15 Resolved: 02/Mar/15

Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CS01
Fix Version/s:	PIM WD14

Type:	Sub-task	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	Michael Douglass (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	Michael Douglass discussion with William Cox		

Resolution:	Add AvailableType.priority: PriorityType [0..1] which is constrained integer Values constrained to 0..9 with higher numbers lower priority to match 5545 and coordinate with resolution to ~~WSCALENDAR-561~~. If AvailableType.priority is not present the value is presumed to be 9 (lowest priority).

Description

Discussion around dtStart being optional for AvailTimeRangeType.

Does it matter? Create with the current time, end wherever wanted. All you need. Vav without time ranges is that it's the background. Nominal schedule - with recurrence rules.

Without priority doesn't make sense. What you deliver is likely very simplified and time limited.

Priority value comes directly out of 5545. Undefined is background. Then decreasing priority numbers, priority: integer - if not there, undefined, lowest priority. 0 is highest, 9 is lowest. Consider consistency - so require presence, 10 is the equivalent of not present in 5545.

Comments

Comment by William Cox (Inactive) [02/Mar/15]

For WD14 - revisit at TC meeting.

Comment by William Cox (Inactive) [12/Mar/15]

Round trip to make consistent with ~~WSCALENDAR-561~~ resolution.

Vavailability types need to be fully sychronized with Internet Draft 05 (WSCALENDAR-541)

[WSCALENDAR-559] RDATE Needed for Recurrence functionality? Yes!

Created: 02/Mar/15 Updated: 22/Apr/15 Resolved: 21/Mar/15

Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CS01
Fix Version/s:	PIM WD15

Type:	Sub-task	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	Michael Douglass (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	William Cox		

Resolution:	See ~~WSCALENDAR-564~~. RDATE analog (conformed string type etc) described there. Add text that EXDATE, RDATE, RRULES are together required to express recurrences.

Description

RFC 5545 3.8.5 Recurrence Component Properties lists

RRULE 3.8.5.3 (added to PIM earlier)

EXDATE 3.8.5.1 (added to PIM via-545)

RDATE 3.8.5.2 (not in current request lists, and more complex - DateTime, set to Date or Period) - seems to have a TypeType for DATE-TIME, DATE, PERIOD, other-param

The form of RDATE and EXDATE are similar, and based on DateTime

[WSCALENDAR-558] Expand text around abstract class LinkType Created: 28/Feb/15 Updated: 22/Apr/15 Resolved: 28/Feb/15	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CS01
Fix Version/s:	PIM WD14

Type:	Bug	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	William Cox in response to ~~WSCALENDAR-551~~		

Resolution:	Improve text referencing the UML Diagram color schemes. Expand slightly to mention PIM-PSM separation.

Description

In earlier versions of PIM and in [WS-Calendar], [RFC5545], and [xCal] the LinkType is a UID, a URI, or a reference. The PIM creates an abstract class LinkType, for this purpose, and has reference as its only attribute.

This allows PSMs to easily define their Platform-Specific Relationship descriptions, and is a deliberate separation of abstraction from concrete references, and from Platform-Independent to Platform-Specific concerns. This technique acts as a hook for PSM implementeres.

Quoting from PIM CS01:

427 Note: In [WS-Calendar], [RFC5545], and [xCal] the LinkType is a UID, a URI [RFC3986], or a reference
428 string. This supports both distributed schedules and local identifiers that need not be fully qualified as
429 would be a UID or a URI. In the PIM, we use a string, without defining the precise type or uses of that
430 reference—that is left to the PSMs.

This text does not make clear why the abstract class is used, and the diagram notation is not addressed in the PIM specification. (See ~~WSCALENDAR-557~~ and ~~WSCALENDAR-551~~).

[WSCALENDAR-557] State that PURPLE class background indicates an Abstract Class

Created: 28/Feb/15 Updated: 22/Apr/15 Resolved: 28/Feb/15

Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CS01
Fix Version/s:	PIM WD14, PIM WD15

Type:	Bug	**Priority:**	Minor
Reporter:	William Cox (Inactive)	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	William Cox and response to ~~WSCALENDAR-551~~		

Resolution:	Need added note on this topic. Consider combining with ~~WSCALENDAR-550~~ annotations on conformed strings in document legend. Color code for purple only required in specification - too complex to manage yellow to indicate changes. Add a note to Section 1.6 Editing Conventions. Some diagrams may also be annotated.

Description

It is not clear to the reader that purple-background classes in UML diagrams are abstract. Make it so; consider a separate notation section, or a notes on the model that could also include description of the conformed strings for e.g. DurationType. See ~~WSCALENDAR-550~~

Annotation in figure caption was missed by readers not familiar with Enterprise Architect color coding.

Comments

Comment by William Cox (Inactive) [02/Mar/15]

Legend added to main diagram of entire PIM model.

Text added on Abstract Class indication to specification.

Comment by William Cox (Inactive) [13/Mar/15]

This was applied only to the full PIM model diagram. It should be in each diagram with an abstract class shown.

[WSCALENDAR-555] Gluon as Handle and Service Entry Point (SEP) Created: 28/Feb/15 Updated: 22/Apr/15 Resolved: 22/Apr/15	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CS01
Fix Version/s:	PIM WD15

Type:	Improvement	**Priority:**	Major
Reporter:	Toby Considine	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	Toby Considine		

Proposal:	Add to 4.5.2 after line 419: More generally, a Gluon can be thought of as a pointer into a Sequence, which is a time-related set of intervals. With Gluons and inheritance rules, missing scheduling information can be dynamically included in a Sequence. If one considers the unscheduled Sequence and referencing Gluons as a subroutine or template, than a Gluon defines an instance or invocation of that template. Several Gluons MAY exist (and be advertised) pointing into a given Sequence. When used in this manner, effectively each Gluon acts as a Service Entry Point for interacting with that template Each Gluon (service entry point) may in turn be associated with additional information: a different price, a different schedule of availability, and so on. Alternately, a Gluon makes the entire instance associated with each entry point actionable by Scheduling that Sequence. (See Table 3-1). If a Gluon includes Recurrence, that Recurrences is not inherited by the Sequence. Rather the sequence is invoked multiple times in accord with the rules of Recurrence. As an example, consider a Sequence that lacks only a StartDateTime to be Scheduled. Recurrence in the Gluon would define an array of StartDateTimes. The result can be computed by Scheduling that Sequence N times, once with each element in that array.
Resolution:	(As in Proposal) Add to 4.5.2 after line 419:

	More generally, a Gluon can be thought of as a pointer into a Sequence, which is a time-related set of intervals. With Gluons and inheritance rules, missing scheduling information can be dynamically included in a Sequence. If one considers the unscheduled Sequence and referencing Gluons as a subroutine or template, than a Gluon defines an instance or invocation of that template. Several Gluons MAY exist (and be advertised) pointing into a given Sequence. When used in this manner, effectively each Gluon acts as a Service Entry Point for interacting with that template Each Gluon (service entry point) may in turn be associated with additional information: a different price, a different schedule of availability, and so on. Alternately, a Gluon makes the entire instance associated with each entry point actionable by Scheduling that Sequence. (See Table 3-1). If a Gluon includes Recurrence, that Recurrences is not inherited by the Sequence. Rather the sequence is invoked multiple times in accord with the rules of Recurrence. As an example, consider a Sequence that lacks only a StartDateTime to be Scheduled. Recurrence in the Gluon would define an array of StartDateTimes. The result can be computed by Scheduling that Sequence N times, once with each element in that array.

Description

See ~~WSCALENDAR-506~~ which applied to earlier PIM WD05. That item has been closed, no action.

This applies to PIM CS01 Section 4.5.2 line 415.

Comments

Comment by William Cox (Inactive) [12/Mar/15]

Toby, please comment and edit the proposed text.

Vavailability types need to be fully sychronized with Internet Draft 05 (WSCALENDAR-541)

[WSCALENDAR-554] Clarify VavailabilityType default "busy-unavailable" and semantics for other values

Created: 28/Feb/15 Updated: 22/Apr/15 Resolved: 22/Apr/15

Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CS01
Fix Version/s:	PIM WD15

Type:	Sub-task	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	William Cox		

Proposal:	PIM:AvailBusyType enumeration should contain busy busyUnavailable busyTentative x-name iana-token (see 5545 3.2.9 and CA ID05 3.1) State in specification (1) Label all time periods in AvailTimeRangeType (name is subject to another item) with the value of busyType in the VavailabilityType object. (2) If the busyType attribute is missing, use busyUnavailable. (3) State that any time period indicated in an AvailableType SHALL be considered available. (bottom of IDraft p5).
Resolution:	PIM:AvailabilityBusyType enumeration should contain busy busyUnavailable busyTentative

	State in specification (1) Label all time periods in AvailTimeRangeType (name is subject to another item) with the value of busyType in the VavailabilityType object. (2) If the busyType attribute is missing, use busyUnavailable. (3) State that any time period indicated in an AvailableType SHALL be considered available. (bottom of IDraft p5). (4) Indicate that in the PIM all types of busy are treated the same.

Description

The text in Internet Draft 05 Calendar Availability seems ambiguous in part.

First, the VavailabiityType object indicates a bound interval in which everything "defaults to" "busy-unavailable" whether or not busytype is present.

Then busyness is not indicated "...for any time periods corresponding to "AVAILABLE" subcomponents."

What is busyType used for then, if the Vavailability "defaults" to busy-unavailable? There's no clear semantics of any other busyType value.

Comments

Comment by William Cox (Inactive) [28/Feb/15]

The semantics around busyType seem convoluted (at best) and confused at worst. Confirm intended semantics with authors of Internet Draft; possibly supply comment on ID05.

Comment by William Cox (Inactive) [21/Mar/15]

On further thought, I don't see why the PIM should distinguish. A PSM MAY further distinguish busyTypes in the AvailabilityBusyType enumeration.

Proposed wording:

busy defaults to "busy" (the wording gets convoluted - the attribute is busy, probably should become availabilityBusy).

Other values of the attribute are not defined in the PIM - so PSMs can if they wish define an extension to busyUnavailable and busyTentative.

Thoughts?

Comment by William Cox (Inactive) [22/Apr/15]

Note that this is an argument for an enumeration with a single element, "busy" or "busyUnavailable." Should consider for WD16.

RFC5545 says
"Description: This parameter specifies the free or busy time type. The value FREE indicates that the time interval is free for scheduling. The value BUSY indicates that the time interval is busy because one or more events have been scheduled for that interval. The value BUSY-UNAVAILABLE indicates that the time interval is busy and that the interval can not be scheduled. The value BUSY-TENTATIVE indicates that the time interval is busy because one or more events have been tentatively scheduled for that interval. If not specified on a property that allows this parameter, the default is BUSY. Applications MUST treat x-name and iana-token values they don't recognize the same way as they would the BUSY value."

It is not clear whether the apparent reason behind a time being busy is useful or appropriate at the abstraction level of a PIM; issues of who is making the assertion and the value of having the assertions in an abstract model are problematic.

Vavailability types need to be fully sychronized with Internet Draft 05 (WSCALENDAR-541)

[WSCALENDAR-553] Change Class names to VavailabilityType and AvailableType to mirror Internet Draft 05

Created: 28/Feb/15 Updated: 22/Apr/15 Resolved: 28/Feb/15

Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CS01
Fix Version/s:	PIM WD14

Type:	Sub-task	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	William Cox (based on re-examining implications of Steve Ray comments)		

Resolution:	LEAVE VavailabilityType AS VavailabilityType CHANGE AvailabilityType TO AvailableType to reflect the container and contained in Calendar-Availability. Also CHANGE AvailIntervalType TO AvailableIntervalType to maintain consistentcy with AvailableType.

Description

Coordinate container class names VavailabilityType and AvailabilityType with those in Calendar Availability Internet Draft 05.

The containing interval is described in PIM by timeRange: AvailTimeRangeType which is fully bound. This timeRange is "busy-unavailable" for the specific interaction/parties of interest. (see p5) except for "except for any time periods corresponding to "AVAILABLE" sub-components." So the VavailabilityType in PIM CS01 corresponds to the VAVAILABILITY Component.

The AVAILABLE sub-components indicate periods of free times within the enclosing VAVAILABILITY...and may contain recurrence properties...

[WSCALENDAR-552] Odd construction of RelationLink.link and LinkType.reference

Created: 27/Feb/15 Updated: 22/Apr/15 Resolved: 22/Apr/15

Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CS01
Fix Version/s:	PIM WD15

Type:	Bug	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	Steve Ray https://lists.oasis-open.org/archives/ws-calendar-comment/201502/msg00001.html		

Proposal:	Modify cardinality of RelationLinkType:link to be [0..1]. Consider modifying LinkType:reference cardinality to [1].
Resolution:	Modify cardinality of RelationLinkType:link to be [0..1].

Description

from second part of email:

RelationLink.link is shown as mandatory, with LinkType.reference as optional. This seems an odd construction. If you believe that every instance of RelationLink must link to something, then LinkType.reference should be mandatory. If you think it may sometimes not link to something, then RelationLink.link should be optional.

Comments

Comment by William Cox (Inactive) [22/Apr/15]

Defer consideration of modifying LinkType:reference cardinality to [1].

[WSCALENDAR-551] Is LinkType Class needed? Yes! Created: 27/Feb/15 Updated: 22/Apr/15 Resolved: 28/Feb/15	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CS01
Fix Version/s:	None

Type:	Bug	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	William Cox (Inactive)
Resolution:	No Action		
Labels:	None		
Environment:	Steve Ray https://lists.oasis-open.org/archives/ws-calendar-comment/201502/msg00001.html		

Resolution:	No Action. The abstract class for LinkType is intended for PSM designers to apply whatever referencing/linking approach they require. If this were an ordinary class the comments would be entirely correct. Created a separate item to include in Notation section that the purple class background indicates an abstract class. (~~WSCALENDAR-557~~) Also a separate item to enhance the note in CS01 line 427 quoted in a comment. (~~WSCALENDAR-558~~)

Description

From email:
I noticed that the PIM removed two of the three attributes in the LinkType class (URI and linkedUid, leaving reference). With LinkType only having a single attribute, it becomes somewhat extraneous. Why not just have the RelationLink.link point to the reference as a URI || String || UID as documented for LinkType.reference, rather than pointing to a LinkType that points to reference?

Comments

Comment by William Cox (Inactive) [28/Feb/15]

In earlier versions of PIM and in [WS-Calendar], [RFC5545], and [xCal] the LinkType is a UID, a URI [RFC3986], or a reference. The PIM creates an abstract class LinkType, for this purpose, and has reference as its only attribute.

This allows PSMs to easily define their Platform-Specific Relationship descriptions, and is a deliberate separation of abstraction from concrete references.

Quoting from PIM CS01:

427 Note: In [WS-Calendar], [RFC5545], and [xCal] the LinkType is a UID, a URI [RFC3986], or a reference
428 string. This supports both distributed schedules and local identifiers that need not be fully qualified as
429 would be a UID or a URI. In the PIM, we use a string, without defining the precise type or uses of that
430 reference—that is left to the PSMs.

Comment by William Cox (Inactive) [02/Mar/15]

No Action.

[WSCALENDAR-550] Conformed string value sets not clearly indicated in diagrams Created: 27/Feb/15 Updated: 22/Apr/15 Resolved: 28/Feb/15	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CS01
Fix Version/s:	PIM WD14

Type:	Bug	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	William Cox based on Steve Ray comment https://lists.oasis-open.org/archives/ws-calendar-comment/201501/msg00004.html		

Resolution:	Add comments to reference RFCs and state briefly what values are expressed per 8601. For example, for DurationType list in the overview UML diagram and/or the more specific diagrams what the units for DurationType are (days, hours, months, etc). Consider for DurationType DateTimeType DateType TimeType ExdateType While avoiding diagram clutter. Consider examples of conformed strings as a replacement or supplement. ~~WSCALENDAR-557~~ addresses a similar problem of UML diagrams where purple indicates abstract classes; consider combining the application of these two items.

Description

From the Steve Ray comment (within item 1):
"And in this example, I don't want to give an exact duration, since months are of different lengths. I'm not sure what you allow in DurationType since you have it listed as String. "

Generalize to "Conformed string value sets not clearly indicated in diagrams "

Comments

Comment by William Cox (Inactive) [28/Feb/15]

Conformed strings in the PIM uniformly use ISO8601 grammars. These are almost but not quite the RFC 5545 grammars. A duration of 1M (1 month) will properly give the same date in the next month (see RFC5545 3.3.6 which does not use the ISO8601 Month and Year ("M" and "Y" designators and ISO8601 2.2.12 and its notes, 3.4.3 Designators for Duration and 4.4.3.2).

The PIM uses 8601 so use of those designators addresses the use case in the comment, but does not trivially map to RFC5545 DURATION value type as stated in PIM CS01 Section 2.2, line 214, and for transformations starting on line 720.

The PIM uses 8601 to clarify and localize transforms because XSD and RFC5545 take different subsets of the 8601 durations.

Comment by William Cox (Inactive) [28/Feb/15]

Converted from Vavailability subtask to bug.

Comment by William Cox (Inactive) [02/Mar/15]

Added legend to main diagram and text to specification.

Vavailability types need to be fully sychronized with Internet Draft 05 (WSCALENDAR-541)

[WSCALENDAR-549] Request that VavailabilityType.timeRange attribute be optional

Created: 27/Feb/15 Updated: 22/Apr/15 Resolved: 12/Mar/15

Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CS01
Fix Version/s:	PIM WD14

Type:	Sub-task	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	Michael Douglass (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	Steve Ray comment 20150227 https://lists.oasis-open.org/archives/ws-calendar-comment/201501/msg00004.html Steve Ray followup comment 20150305 https://lists.oasis-open.org/archives/ws-calendar-comment/201503/msg00000.html		

Proposal:	AvailabilityIntervals paint the available times within the AvailTimeRangeType (interval). The timeRange attribute of the VavailabilityType describes the specific range of discussion. The CS01 semantics for AvailTimeRangeType address this use case, at the possible expense of an empty object. But a schedule of availability for all time seems an edge use case as well. Moreover, Vavailability does not seem the appropriate mechanism for this kind of schedule. Reject: No change.
Resolution:	Accept the proposal. Re-review after next draft of Standards Track Vavailability RFC. Examine PIM for consistency in allowing optional attributes where all content is optional.

Description

Issue 3 of 3. Split for separate discussion. See ~~WSCALENDAR-547~~ for full issue and references.

3. VavailabilityType.timeRange – we would like this attribute to be optional since we are talking in general about an abstract billing interval. We don't want to bound it to a finite time range.

Additional Comment:
On behalf of the ASHRAE SPC201 committee, we would like to request Vavailability.timeRange be an optional attribute. While we recognize that its datatype AvailabilityTimeRangeType contains all optional attributes, we would like the option of not having to carry around an empty structure if the user does not choose to limit the range of time.

Comments

Comment by William Cox (Inactive) [28/Feb/15]

This amounts to a style difference - a mandatory interval with optional start and duration, versus the proposed optional interval in the case where there is neither a specific start nor duration.

tZ seems a distraction for infinite intervals.

CS01 adheres to Internet Draft 5. Given that Commenter says this failing to alter this is an inconvenience only, rejection (no action) is the appropriate decision.

Comment by William Cox (Inactive) [02/Mar/15]

Does it matter? Create with the current time, end wherever wanted. All you need. Vav without time ranges is that it's the background. Nominal schedule - with recurrence rules.

Without priority doesn't make sense. What you deliver is likely very simplified and time limited.

Priority value comes directly out of 5545. Undefined is background. Then decreasing priority numbers, priority: integer - if not there, undefined, lowest priority. 0 is highest, 9 is lowest.

Try required priority 1..9 with higher numbers lower priority. Created new item, copied this comment.

Comment by William Cox (Inactive) [02/Mar/15]

Later update to busy behavior (absence is treated as busyUnavailable) opens the door to reconsideration of this item.
Discuss at an upcoming TC meeting.

Comment by William Cox (Inactive) [02/Mar/15]

No action.

Comment by William Cox (Inactive) [12/Mar/15]

Re-processing.

Vavailability types need to be fully sychronized with Internet Draft 05 (WSCALENDAR-541)

[WSCALENDAR-548] Make VavailabilityType.busy attribute optional.

Created: 27/Feb/15 Updated: 22/Apr/15 Resolved: 28/Feb/15

Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CS01
Fix Version/s:	PIM WD14

Type:	Sub-task	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	Michael Douglass (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	Steve Ray comment 20150227 https://lists.oasis-open.org/archives/ws-calendar-comment/201501/msg00004.html Issue 2 of 3. Split for separate discussion. See also WSCALEANDAR-547		

Proposal:	
Resolution:	AvailabilityIntervals paint the available times within an otherwise BUSY AvailTimeRangeType (interval). See ~~WSCALENDAR-541~~ comments. For some purposes the semantic distinction between "busy", "busyUnavailable" (== really not available), and "busyTentative" may not be required. busytype is optional with no more than one occurrence; the absence busytype is treated as if "busy-unavailable" were the explicit value.

Description

2. VavailabilityType.busy – we don’t have a defined need to use “busy”, “busyUnavailable” and “busyTentative”, so would rather have this attribute as optional.

Comments

Comment by William Cox (Inactive) [28/Feb/15]

Note that Vavailability does not seem the appropriate mechanism for the commenter's purpose. Internet Draft 05 shows buytype as optional, so this change is accepted.

Vavailability types need to be fully sychronized with Internet Draft 05 (WSCALENDAR-541)

[WSCALENDAR-547] Change AvailableIntervalType attribute cardinality (see description)

Created: 27/Feb/15 Updated: 22/Apr/15 Resolved: 28/Feb/15

Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CS01
Fix Version/s:	PIM WD15

Type:	Sub-task	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	Michael Douglass (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	Steve Ray comment 20150227 https://lists.oasis-open.org/archives/ws-calendar-comment/201501/msg00004.html Issue 1 of 3. Split for separate discussion.		

Resolution:	See ~~WSCALENDAR-541~~ and ~~WSCALENDAR-554~~ In Internet Draft 05 p5, the syntactic variable "availableprop" is equivalent to PIM AvailableType or AvailabilityType [pending rename per ~~WSCALENDAR-553~~]. dtstart is REQUIRED but MUST NOT occur more than once so we require dtStart [1..1]; the commenter's change requests dtStart [0..1] which must be rejected. On the other hand, including one of dtend/duration is OPTIONAL, so AvailIntervalType.duration should be cardinality [0..1] Change cardinality of duration to [0..1] to be more consistent with [Availability].

Description

From email:

AvailabilityType.availabilityInterval is of type AvailIntervalType, which contains two mandatory attributes: dtStart and duration. Since this example is talking in general, not about a

specific month, I don’t want to name a dtStart. And in this example, I don’t want to give an exact duration, since months are of different lengths. I’m not sure what you allow in DurationType since you have it listed as String. We would like availabilityInterval to be optional, or failing that, have the attributes within AvailIntervalType to be optional, or failing that, at least have AvailIntervalType.dtStart be optional (although I might come up with another use case where I want a start time but not a duration).

(NOTE WTC: RecurrenceType in AvailableType and GluonType (for WD15) addresses much of the comment; AvailableIntervalType:duration [0..1] makes more sense when taken in the context of Vavailability Internet Draft 05)

THE FOLLOWING ARE SEPARATE ISSUES

2. VavailabilityType.busy – we don’t have a defined need to use “busy”, “busyUnavailable” and “busyTentative”, so would rather have this attribute as optional.

3. VavailabilityType.timeRange – we would like this attribute to be optional since we are talking in general about an abstract billing interval. We don’t want to bound it to a finite time range.

So in summary, problem #1 is a real problem for us. Problems #2 and #3 are inconveniences. Hope this example helps.

Comments

Comment by William Cox (Inactive) [28/Feb/15]

No entirely clear what an open availInterval means in conjunction with an indefinite timeRange. See ~~WSCALENDAR-554~~ for related issues on these semantics and comments for the next Internet Draft of Calendar Availability.

The syntactic variable "availableprop" (p. 5) is equivalent to PIM AvailableType or AvailabilityType [pending rename per ~~WSCALENDAR-553~~].

dtstart is REQUIRED but MUST NOT occur more than once (so dtStart [1..1]

On the other hand, one of dtend/duration is OPTIONAL, so AvailIntervalType.duration should be cardinality [0..1]

Comment by William Cox (Inactive) [28/Feb/15]

Fixed AvailabilityIntervalType but not in the way requested - kept dtStart [1..1] and changed duration [0..1] to be consistent with Internet Draft 05.

Comment by William Cox (Inactive) [02/Mar/15]

What does it mean for duration to be optional in a DateTimeType?

Date value - all day.

5545 lacks all day event - floating, TZ not valid. MD comments.

Comment by William Cox (Inactive) [12/Mar/15]

Changed title to match updated name for the class.

Vavailability types need to be fully sychronized with Internet Draft 05 (WSCALENDAR-541)

[WSCALENDAR-546] Make AvailableType.rRule attribute optional

Created: 27/Feb/15 Updated: 21/Mar/15 Resolved: 27/Feb/15

Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CS01
Fix Version/s:	PIM WD14

Type:	Sub-task	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	Michael Douglass (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	Steve Ray https://lists.oasis-open.org/archives/ws-calendar-comment/201501/msg00001.html		

Proposal:	Change cardinality of AvailabilityType.rRule FROM [1..1] TO [0..1]. Coordinate with other type changes under the ~~WSCALENDAR-541~~ container.
Resolution:	Change cardinality of AvailabilityType.rRule FROM [1..1] TO [0..1]. Coordinate with other type changes under the ~~WSCALENDAR-541~~ container.

Description

In considering the use of the AvailabiityType instance to specify a single, non-recurring interval of availability, my understanding is that this would be specified using the AvailabilityType.availInterval attribute. In this case, I would have no need to specify any kind of recurrence using AvailabilityType.rRule.

Therefore, I am requesting the committee consider making the rRule attribute optional.

The alternative, I suppose, would be to have an empty string as the value of a mandatory rRule, but this seems less elegant.

Comments

Comment by William Cox (Inactive) [27/Feb/15]

To Michael for review.

Vavailability types need to be fully sychronized with Internet Draft 05 (WSCALENDAR-541)

[WSCALENDAR-545] Add EXDATE and RDATE functionality and Comment to Availabletype

Created: 14/Jan/15 Updated: 22/Apr/15 Resolved: 27/Feb/15

Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CS01
Fix Version/s:	PIM WD15

Type:	Sub-task	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	Steve Ray WS-Calendar-Comment 20150120 https://lists.oasis-open.org/archives/ws-calendar-comment/201501/msg00000.html		

Proposal:	Add attributes exdate and comment to AvailabilityType. Create pim:ExdateType which has a single attribute of type "String" which takes conformance from the exdate availableProp description in Vavailability/RFC5545. Coordinate with resolution to ~~WSCALENDAR-543~~
Resolution:	Add attributes exdate cardinality [0..*] and comment cardinality [0..*] to AvailabilityType (renamed to AvailableType in ~~WSCALENDAR-553~~). Create pim:ExdateType which has a single attribute of type "String" which is conformed from the exdate availableProp description in RFC5545 3.8.5.1 and semantics in Vavailability, consistent with ISO8601. Also add attribute rdate. This follows the NIEM approach. Coordinate with resolution to all ~~WSCALENDAR-541~~ subtasks. See also ~~WSCALENDAR-564~~ for mechanism for expressing Recurrences.

Description

The ASHRAE SPC201 committee would like to make use of the exDate attribute within the Availability class of the WS-Calendar PIM. This is used to exclude specific dates that would otherwise be included within a recurrence rule. The exDate attribute is part of RFC5545, and since our committee is striving to remain compatible with other standards, including WS-Calendar, we would respectfully request that the exDate attribute be added.

Extended WTC:

Consider (e.g. from Page 5) the following:
exdate
uid (for parallel with IntervalType, if PIM needs this)
comment (for parallel with IntervalType)

dtstart, duration, and tz are already present.

Comments

Comment by William Cox (Inactive) [15/Jan/15]

See PIM Proposed Changes WD13-WD14WIP 20150115.zip at https://www.oasis-open.org/committees/document.php?document_id=54898&wg_abbrev=ws-calendar

Added exdate and comment from availableprop on page 5, Vavailability Internet Draft 05.

Comment by William Cox (Inactive) [16/Jan/15]

Updated to reflect discussion in other items.

Comment by William Cox (Inactive) [27/Feb/15]

Resolution does NOT add UID.

Comment by William Cox (Inactive) [28/Feb/15]

Modified resolution with reminded that 8601 conformed strings are used in the PIM.

Comment by William Cox (Inactive) [21/Mar/15]

Moving back to resolved - text on RecurrenceType ~~WSCALENDAR-564~~ needs to be merged.

Comment by William Cox (Inactive) [22/Apr/15]

Reopened to include rdate.

Comment by William Cox (Inactive) [22/Apr/15]

Exdate included in WD14. Rdate added in WD15.

[WSCALENDAR-544] Rationalize Class names in the merged Availability package Created: 14/Jan/15 Updated: 22/Apr/15 Resolved: 02/Mar/15	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CS01
Fix Version/s:	None

Type:	Bug	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	William Cox		

Proposal:	See class names in PIM Proposed Changes WD13-WD14WIP 20150115.zip at https://www.oasis-open.org/committees/document.php?document_id=54898&wg_abbrev=ws-calendar.
Resolution:	CHANGE TimeRangeType TO AvailabilityTimeRangeType CHANGE BusyType TO AvailabilityBusyType

Description

The class names in the Availability Package should be reconsidered.

Since another item (~~WSCALENDAR-542~~) suggests merging the Availability Package into the PIM UML package, the names should be re-examined.

TimeRangeType should perhaps be "AvailabilityTimeRangeType"

BusyType is more general in 5545 so should be called AvailabilityBusyType

Comments

Comment by William Cox (Inactive) [14/Jan/15]

AvailabilityIntervalType is similar to an IntervalType with the following attributes of cardinality 0: attach, tolerance, instanceUID, comment, and dtEnd, and that TimeRangeType has a similar relationship to IntervalType.

The different semantics of Vavailability (Internet Draft 5) dictate those differences; should the name of AvailabilityIntervalType look less like "IntervalType"?

Vavailability types need to be fully sychronized with Internet Draft 05 (WSCALENDAR-541)

[WSCALENDAR-543] PIM types not external reference to xcal:rrule in AvailableType

Created: 14/Jan/15 Updated: 21/Mar/15 Resolved: 28/Feb/15

Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CS01
Fix Version/s:	PIM WD14

Type:	Sub-task	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	Michael Douglass (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	William Cox Toby Considine in discussion related to https://lists.oasis-open.org/archives/ws-calendar-comment/201501/msg00001.html		

Proposal:	Change AvailabilityType::rRule from "xcal:rrule" to pim:RRuleType which contains an attribute of type "String" with conformance rules taken from RFC 5545.
Resolution:	Change AvailabilityType::rRule from "xcal:rrule" to pim:RRuleType which contains an attribute of type "String" with conformance rules from RFC 5545 3.3.10. Definition must also apply 8601 Duration Indicators. See ~~WSCALENDAR-550~~ (needs verification of 5545 3.3.10) see ~~WSCALENDAR-546~~ for cardinality issue and ~~WSCALENDAR-564~~ for the RecurrenceType. Follow standard NIEM practice isolating the conformed strings within named classes.

Description

AvailabilityType has rRule: xcal:Rrule as an attribute.

An external-to-the-PIM reference (even if it were correct) is not useful in a Platform-

Independent Model. The data value should be changed to a conformed string with the string definition as in RFC 5545.

Comments

Comment by Toby Considine [15/Jan/15]

I disagree.

I welcome bring the type internall to the PIM, but the pim:rrule should be of pim:rRuleType. The type rRuleType can be a string constrained as per rules in RFC5545.

So:
correct, do not reference xcal
incorrect, not having a type

Comment by William Cox (Inactive) [16/Jan/15]

I agree with Toby's comment. So the action is to create pim:RRuleType and pim:ExdateType (see ~~WSCALENDAR-545~~).

Comment by William Cox (Inactive) [27/Feb/15]

RFC5545 3.3.10 on Recurrence Rule says that FREQ part is REQUIRED.So if an rrule is included at all, it must have FREQ (in the constraintedstring), but if there is no rrule, cardinality [0..1] for pim:RRuleType seems correct. The multiplicity is inside the specific rrule conformed string.

I don't see a reason to delve further into PIMming the rrules.

Verify with Mike.

Comment by William Cox (Inactive) [27/Feb/15]

Rearranged to eliminate cardinality of rRule separate issue.

Comment by William Cox (Inactive) [02/Mar/15]

Need to confirm that the period names in 5545 3.3.10 include all those in 8601

Comment by William Cox (Inactive) [12/Mar/15]

Changed class name in title to current version.

[WSCALENDAR-542] Make PIM a single package Created: 14/Jan/15 Updated: 12/Mar/15 Resolved: 16/Jan/15	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CS01
Fix Version/s:	PIM WD14

Type:	Bug	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	Toby Considine		

Proposal:	Put all classes in the Vavailability package into the encompassing PIM package. Consider name changes (see ~~WSCALENDAR-544~~) in the merge.
Resolution:	Integrated packages with name changes (~~WSCALENDAR-544~~) as shown in PIM Proposed Changes WD13-WD14WIP 20150115.zip at https://www.oasis-open.org/committees/document.php?document_id=54898&wg_abbrev=ws-calendar. Names still subject to ~~WSCALENDAR-544~~.

Description

Although the IETF standardization of Vavailability is not completed, that work is expected to start in the near future. The justification for a separate package was the the underlying RFC may change during the IETF process.

An updated PIM with updated Vavailability is not a major problem for users of the model. Also, the Vavailability package references things in the PIM package and vice versa.

So for simplicity of defining PSMs, merge the two packages into one.

Comments

Comment by William Cox (Inactive) [28/Feb/15]

Work In Progress (WIP) drafts have combined into a single package.

[WSCALENDAR-541] Vavailability types need to be fully sychronized with Internet Draft 05 Created: 14/Jan/15 Updated: 22/Apr/15 Resolved: 22/Apr/15	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CS01
Fix Version/s:	PIM WD15

Type:	Bug	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	William Cox		

Sub-Tasks:

Key	Summary	Type	Status	Assignee
WSCALENDAR-543	PIM types not external reference to x...	Sub-task	Closed	Michael Douglass
WSCALENDAR-545	Add EXDATE and RDATE functionality an...	Sub-task	Closed	William Cox
WSCALENDAR-546	Make AvailableType.rRule attribute op...	Sub-task	Closed	Michael Douglass
WSCALENDAR-547	Change AvailableIntervalType attribut...	Sub-task	Closed	Michael Douglass
WSCALENDAR-548	Make VavailabilityType.busy attribute...	Sub-task	Closed	Michael Douglass
WSCALENDAR-549	Request that VavailabilityType.timeRa...	Sub-task	Closed	Michael Douglass
WSCALENDAR-553	Change Class names to VavailabilityTy...	Sub-task	Closed	William Cox
WSCALENDAR-554	Clarify VavailabilityType default "bu...	Sub-task	Closed	William Cox
WSCALENDAR-559	RDATE Needed for Recurrence functiona...	Sub-task	Closed	Michael Douglass
WSCALENDAR-560	Priority needed in VavailabilityType	Sub-task	Closed	Michael Douglass

	WSCALENDAR-561	Allow VavailabilityType.priority to b...	Sub-task	Closed	Michael Douglass
	WSCALENDAR-566	Change attribute name for Vavailabili...	Sub-task	Closed	Michael Douglass

Description

This is a container for issues related to PIM Vavailability and Vavailability Internet Draft 05

Comments

Comment by William Cox (Inactive) [28/Feb/15]

For attributes and semantics see Internet Draft 05. Quoting:

availableprop = *(
;
; the following are REQUIRED,
; but MUST NOT occur more than once
;
dtstamp / dtstart / uid /
;
; either ’dtend’ or ’duration’ MAY appear
; once, but ’dtend’ and ’duration’ MUST NOT
; occur in the same ’availableprop’.
; ’duration’ MUST NOT be present if ’dtstart’ ; is not present
;
dtend / duration /
;
; the following are OPTIONAL, ; but MUST NOT occur more than once
; created / description / last-mod / recurid / rrule / summary /
;
; the following are OPTIONAL,
; and MAY occur more than once
;
categories / comment / contact / exdate / rdate / x-prop / iana-prop
)

[WSCALENDAR-540] Consider adding DateClass and TimeClass Created: 14/Jan/15 Updated: 06/Jun/15 Resolved: 28/Feb/15	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CS01
Fix Version/s:	PIM WD14

Type:	Bug	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	Michael Douglass (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	Steve Ray ws-calendar-comment 20141220 https://lists.oasis-open.org/archives/ws-calendar-comment/201412/msg00000.html		

Proposal:	Add DateType and TimeType. Consider Time Zone [0..1] Semantics and abstraction need to be carefully addressed. For example, Gluons provide an abstraction of a schedule (and reference the lead interval); how does a schedule starting at 10am (TimeType) bind to a date or range of dates, compared to the existing mechanism of including 10am on a specific date in a Gluon?
Resolution:	See PIM Proposed Changes WD13-WD14WIP 20150115.zip at https://www.oasis-open.org/committees/document.php?document_id=54898&wg_abbrev=ws-calendar. Add DateType with attribute date: String (conformed 8601 string with only date). Add TimeType with attribute time: String (conformed 8601 string with only time).

Description

From Steve Ray:

Please consider adding a Date class (Date without time, perhaps with Time Zone) and a Time

class (Time without date, perhaps with Time Zone) to the model. This would be useful in models [ASHRAE SPC201] that we are currently working with.

Comments

Comment by William Cox (Inactive) [16/Jan/15]

tz is generally an attribute of the class where used, and not in (e.g.) DateTimeType. Follow the same pattern for DateType and TimeType.

Comment by William Cox (Inactive) [27/Feb/15]

See also item ~~WSCALENDAR-506~~. Subroutine/Service Entry Point text should be in PIM.

Toby Considine on 20141220:

This is not a pre-judgment on the comment, because I sense that as well. ASHRAE scenarios not only frequently require times w/ or w/o time zones, but w or w/o DST as well. Business hours may need an opening at 8”00 in whatever the local time zone is, automatically adjusting for DST.

As to availability, there are a number of ways to express “every Tuesday…

There is Every 7 days starting with *this* Tuesday

There is weekly, occurring on *these* days of the week

And so on.

I have particularly considered the sort of scenarios you talk about for live energy models. A live energy model is grounded in hard dates, the projected energy model may well be based on days of the week with no starting date indicated yet.

Of course, this is a PIM, and it may be that these issues are best addressed in a PSM. A couple of us have been toying with a Minimal PSM (in XSD) that expresses the PIM UML model and might make allowances for the flexibility you indicate.

None of this is speaking ex cathedra. We, as a TC, have not discussed your comments. This is just a first reaction to your comment. Thanks for submitting it.

tc

Comment by William Cox (Inactive) [02/Mar/15]

For consideration of meaning, recurrences, and tasks.

Moved back to open pending TC discussion and intended use(s) for DateType and TimeType.

Comment by William Cox (Inactive) [21/Mar/15]

Michael Douglass had some comments on the semantics of Time-without-Date and Date-without-Time. Assigned to him for update pending Apply.

[WSCALENDAR-537] WS-Calendar generally uses lowerCamel for names. Use it consistently Created: 04/Aug/14 Updated: 14/Aug/14 Resolved: 05/Aug/14	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM WD12
Fix Version/s:	PIM WD13

Type:	Bug	**Priority:**	Minor
Reporter:	Toby Considine	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	Toby Considine		

Proposal:	Use lowerCamelcase for all names
Resolution:	Use lowerCamelCase for attribute names in ToleranceType, for example durationLong, durationShort, precision (no change), ... startBefore. Apply consistently to all attributes in the model.

Description

The attributes of ToleranceType are NOT in lowerCamelCase (e.g. startbefore should be startBefore).

Comments

Comment by William Cox (Inactive) [05/Aug/14]

Corrected back to task; see also WSCALENDAR=538.

Comment by William Cox (Inactive) [14/Aug/14]

See change log in WD13

Use new "standard" for citations of OASIS specifications (WSCALENDAR-505)

[WSCALENDAR-536] Correct OASIS Reference format in PIM

Created: 03/Aug/14 Updated: 03/Aug/14 Resolved: 03/Aug/14

Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM WD11
Fix Version/s:	PIM WD12

Type:	Sub-task	**Priority:**	Minor
Reporter:	William Cox (Inactive)	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	Chet Ensign		

Resolution:	Correct to include Editors where it makes sense - Energy Interoperation and WS-Calendar. Some non-normative references have many editors; no change for them.

Vavailability is not fully synchronized with Vavailability Internet Draft 05 (WSCALENDAR-532)

[WSCALENDAR-535] Compare and contrast TimeRangeType and AvailabiiltyIntervalType

Created: 03/Aug/14 Updated: 03/Aug/14 Resolved: 03/Aug/14

Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM WD11
Fix Version/s:	PIM WD12

Type:	Sub-task	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	William Cox		

Resolution:	Insert a sentence at end of Section 4.7 contrasting TimeRangeType and AvailabilityIntervalType. Consider an example in the separate PIM Examples Committee Note (in progress)

Description

TimeRangeType and AvailabilityIntervalType look similar but have different semantics.

TimeRangeType (see ~~WSCALENDAR-533~~) is partially bound, consistent with InternetDraft05.

AvailabilityIntervalType (called that to avoid unintentional though scoped differences with respect to IntervalType in the PIM package) is fully bound, having both dtStart and duration.

Vavailability is not fully synchronized with Vavailability Internet Draft 05 (WSCALENDAR-532)

[WSCALENDAR-534] Delete FreeBusy type and associated classes

Created: 03/Aug/14 Updated: 03/Aug/14 Resolved: 03/Aug/14

Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM WD11
Fix Version/s:	PIM WD12

Type:	Sub-task	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	William Cox		

Resolution:	Delete Free and Busy Status section. Mention FreeBusy in a footnote in Availability section 4.7 Delete FreeBusy and related classes from the UML model.

Description

FreeBusy and its associated types are planned by CalConnect/IETF to be replaced with Vavailability. Delete all references to this obsolescent approach.

While current implementations use FreeBusy, the applications are restricted and not particularly useful.

Vavailability is not fully synchronized with Vavailability Internet Draft 05 (WSCALENDAR-532)

[WSCALENDAR-533] Describe the semantics of Vavailability and Availability

Created: 03/Aug/14 Updated: 03/Aug/14 Resolved: 03/Aug/14

Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM WD11
Fix Version/s:	PIM WD12

Type:	Sub-task	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	William Cox		

Resolution:	Include text (taken from the model notes edited): The Vavailability class includes a partially specified interval in which all blocks of granularity size are busy per the busy attribute - BUSY, BUY-UNAVAILABLE, BUSY-TENTATIVE. The timeRange is "busy" for the purposes of a specific use. The class TimeRangeType MAY have a start time (optional), and if a start time is present MAY contain a duration (optional). It can accordingly apply to (1) all time (no dtStart, no duration) (2) a half-infinite interval (dtStart, no duration) (3) a bound interval (dtStart, duration) The optional granularity that MAY be present describes the time blocks used for expressing Availability--for example, for one hour blocks, use P1H. Against this backdrop, The associate AvailabilityType objects indicate available times with an AvailabilityIntervalType having dtStart, duration, and optional tz.

[WSCALENDAR-532] Vavailability is not fully synchronized with Vavailability Internet Draft 05 Created: 03/Aug/14 Updated: 14/Jan/15 Resolved: 03/Aug/14	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM WD11
Fix Version/s:	PIM WD12

Type:	Bug	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	William Cox		

Sub-Tasks:

Key	Summary	Type	Status	Assignee
WSCALENDAR-533	Describe the semantics of Vavailabili...	Sub-task	Closed	William Cox
WSCALENDAR-534	Delete FreeBusy type and associated c...	Sub-task	Closed	William Cox
WSCALENDAR-535	Compare and contrast TimeRangeType an...	Sub-task	Closed	William Cox

Resolution:	Add text describing the overview of Availability, the semantics of Time Range, and of Availability Intervals.

Description

See sub-tasks.

Time range for Vavailability is implicitly defined in ID05 and in WS-Calendar 1.0, but must be explicit in the PIM. The constraints differ from a fully bound interval, and the semantics must be described in the PIM.

Add text describing the overview of Availability, the semantics of Time Range, and of Availability Intervals.

Comments

Comment by William Cox (Inactive) [14/Jan/15]

A re-review of Vavailability Draft 5 will needed for full expression while maintaining the simplicity of the PIM. See ~~WSCALENDAR-541~~

ISO 8601 conformance, reference, and attribute naming (WSCALENDAR-526)

[WSCALENDAR-531] Eliminate the UnsignedDurationType, leaving DurationType, and clarify conformance

Created: 03/Aug/14 Updated: 03/Aug/14 Resolved: 03/Aug/14

Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM WD11
Fix Version/s:	PIM WD12

Type:	Sub-task	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	William Cox		

Resolution:	Delete UnsignedDurationType from WD11. Clarify conformance and sources for DurationType, and conformance that differs in ToleranceType. Consider simply ignoring sign in Tolerance - conformed strings are easlier.

Description

Eliminate signed/unsigned duration distinction: Delete UnsignedDurationType, and keep only DurationType.

Ensure that Gap and Tolerance type conformance is right (for Tolerance 8601 unsigned as conformed; for Gap add optional sign to 8601 in the style of RFC5545.

Tie in with discussion on the restrictions in XSD and iCalendar

ISO 8601 conformance, reference, and attribute naming (WSCALENDAR-526)

[WSCALENDAR-530] ToleranceType needs clarification of Duration use and conformance

Created: 03/Aug/14 Updated: 03/Aug/14 Resolved: 03/Aug/14

Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM WD11
Fix Version/s:	PIM WD12

Type:	Sub-task	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	William Cox		

Resolution:	Correct and coordinate Notes in the model with specification text and conformance as needed.

Description

ToleranceType needs clarification of Duration use. From the model notes on class ToleranceType for consideration and coordinated correction:

"A tolerance value is a set of durations which indicate the allowed tolerance for the indicated value, e.g. startafter=PT5M indicates that 5 minutes late is acceptable, and startbefore=PT10M indicates that 10 minutes prior is acceptable.

There may be many tolerance attributes associated with a given DurationType object. Care should be taken in implementations to avoid confusing combinations, as the semantics may be complex.

If no Tolerance values are associated, applications SHOULD use cardinality 0 for IntervalType::tolerance."

Comments

Comment by William Cox (Inactive) [03/Aug/14]

Consider whether ToleranceType and IntervalType should ignore a negative Duration. Expose that issue to the TC list.

ISO 8601 conformance, reference, and attribute naming (WSCALENDAR-526)

[WSCALENDAR-529] RelationLinkType::gap: DurationType must have correct, signed, duration

Created: 03/Aug/14 Updated: 03/Aug/14 Resolved: 03/Aug/14

Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM WD11
Fix Version/s:	PIM WD12

Type:	Sub-task	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	William Cox		

Resolution:	Include gap:DurationType semantics as described. Include clarification of the nature of Duration, and the specific places where negative sign duration may be present, and behavior when a signed Duration appears and unsigned is required.

Description

The note in the WD12 UML model says

"DurationType for gap SHALL include an optional sign.

A negative gap indicates that the referenced target starts before the referencing Interval. A non-negative (or unsigned) gap indicates that the referenced target starts at the same time (zero gap) or after the referencing Interval."

Ensure that these semantics are included in the specification.

[WSCALENDAR-527] Eliminate XML Schema Type Package from UML Model Created: 03/Aug/14 Updated: 03/Aug/14 Resolved: 03/Aug/14	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM WD11
Fix Version/s:	PIM WD12

Type:	Bug	**Priority:**	Minor
Reporter:	William Cox (Inactive)	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	William Cox		

Resolution:	Remove the XSDDatatypes package from the model. Ensure that UML stereotypes related to XML Schema are deleted from the model, and any references to the deleted package are corrected.

Description

There is much in the specification about the differences between XSD types, iCalendar types, and the UML primitive type String.

The exposition is confused because the model has the Enterprise Architect XSDDatatypes package included, although it appears to not be used.

WD11 changed all instances of "string" (referencing XSDTypes) to "String" (referencing the UML primitive type).

[WSCALENDAR-526] ISO 8601 conformance, reference, and attribute naming

Created: 03/Aug/14 Updated: 03/Aug/14 Resolved: 03/Aug/14

Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM WD11
Fix Version/s:	PIM WD12

Type:	Bug	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	William Cox		

Sub-Tasks:

Key	Summary	Type	Status	Assignee
WSCALENDAR-529	RelationLinkType::gap: DurationType m...	Sub-task	Closed	William Cox
WSCALENDAR-530	ToleranceType needs clarification of ...	Sub-task	Closed	William Cox
WSCALENDAR-531	Eliminate the UnsignedDurationType, l...	Sub-task	Closed	William Cox

Resolution:	Change the attributes to eliminate ISO8601. Insert text related to signed (ONLY for gap, IGNORED if present for Tolerance and IntervalType::duration)

Description

Remove "ISO8601" from the attribute names for DurationType and DateTimeType.

Clarify conformance and reference: RFC5545/RFC6321 allows an optional sign on Duration, ISO8601 does not.

Understand that "notes" for conformance in the UML model must also be reflected in the specification.

Comments

Comment by William Cox (Inactive) [03/Aug/14]

Applied in UML Model for PIM WD12.

[WSCALENDAR-525] Enterprise Architect 11 supports XMI 2.4.1; text says that tooling does not Created: 03/Aug/14 Updated: 03/Aug/14 Resolved: 03/Aug/14	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM WD11
Fix Version/s:	PIM WD12

Type:	Bug	**Priority:**	Minor
Reporter:	William Cox (Inactive)	**Assignee:**	William Cox (Inactive)
Resolution:	No Action		
Labels:	None		
Environment:	William Cox		

Resolution:	No action. Not all TC members have upgraded to Enterprise Architect 11.

Description

Text in WD11 says that tooling supports XMI 2.1. I just found capability in Enterprise Architect to export in XMI 2.4.1 form, but have validated neither round trip (import/export) nor support in previous versions.

This is minor issue, and does not need to be corrected; the substantial work to verify is not worth it since every tool tested supports XMI 2.1.

[WSCALENDAR-524] Unclear, out-of-scope statement in Conformance section

Created: 25/Jun/14 Updated: 03/Aug/14 Resolved: 20/Jul/14

Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CSPRD02
Fix Version/s:	PIM WD11, PIM WD12

Type:	Improvement	**Priority:**	Minor
Reporter:	Toby Considine	**Assignee:**	Toby Considine
Resolution:	Fixed		
Labels:	None		
Environment:	TAB Comments		

Resolution:	Address the concerns expressed. Part of rewrite of entire Conformance section 9.

Description

Unclear, out-of-scope statement in Conformance section 9 [Line 621]

The sentence "If the implementer and/or implementation claiming conformance is using WS-Calendar PIM as part of a larger business or service communication, they SHALL follow not only the semantic rules herein, but SHALL also conform to the rules for specifying inheritance in referencing standards."

Such concerns on how implementations should claim conformance to something larger than this specification, seems out of place/scope. Why the worry?

A bit confusing, because that seems to open the door to the referencing standard/profile altering the conditions for conformance to THIS (WS-cal PIM) specification

Comments

Comment by William Cox (Inactive) [20/Jul/14]

References:
~~WSCALENDAR-521~~
~~WSCALENDAR-522~~
~~WSCALENDAR-523~~
~~WSCALENDAR-524~~

Comment by William Cox (Inactive) [03/Aug/14]

Missed this one in PIM WD11; corrected in working version of WD12.

[WSCALENDAR-523] It is not clear what are the conformance targets and the conformance requirements are not clearly assigned to these. Created: 25/Jun/14 Updated: 14/Aug/14 Resolved: 20/Jul/14

Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CSPRD02
Fix Version/s:	PIM WD11

Type:	Bug	**Priority:**	Major
Reporter:	Toby Considine	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	TAB Comments		

Resolution:	Add note that this is a Platform-Independent Model, and these are requirements on MODELS claiming conformance, including but not limited to Platform-Specific Models. Per other items, split Section 9 into a Rules Section and a Conformance Section.

Description

It is not clear what are the conformance targets and the conformance requirements are not clearly assigned to these. [Applies to section 9 line 621]

The conformance rules/clauses should more explicitly refer to a notion of implementation. What is supposed to conform?When reading the beginning of 9.2 [line 630] and in 9.2.1, one understands that "specifications" are conformance targets of interest.

But then, in 9.2.5 [line 703] and 9.2.6, new conformance targets appear such as Intervals, Bounded Intervals, Sequences (and Services?) .

Aren't such elements just parts of a "specification"? is there a need to distinguish them as separate, standalone conformance targets?

Is it expected that Intervals or Sequences will claim separately conformance to WS-Calendar?

9.2.6 seems to also address "Specifications" in spite of its title.

To make all this clearer it would be better to clearly list all the possible types of conformance targets at the beginning of the conformance section - then for each, to make a separate

conformance clause. (with the understanding that it makes sense to claim conformance separately for each) But also, several conformance requirements e.g. in 9.2.6 read more like normative requirements that belong to the body of the specification. Any reason to have them in the conformance section instead?

Comments

Comment by William Cox (Inactive) [20/Jul/14]

Points well taken. Entire section needs to be revised. Please note that this is a Platform-Independent Model, and these are requirements on SPECIFICATIONS claiming conformance, including but not limited to Platform-Specific Models.

References:
~~WSCALENDAR-521~~
~~WSCALENDAR-522~~
~~WSCALENDAR-523~~
~~WSCALENDAR-524~~

[WSCALENDAR-522] Unclear conformance requirements in section 9.2.3 "Conformance issues" Created: 25/Jun/14 Updated: 03/Aug/14 Resolved: 20/Jul/14	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CSPRD02
Fix Version/s:	PIM WD11, PIM WD12

Type:	Bug	**Priority:**	Major
Reporter:	Toby Considine	**Assignee:**	Toby Considine
Resolution:	Fixed		
Labels:	None		
Environment:	TAB Comments		

Resolution:	Consider placement and wording of Section 9.2.3 and entire Conformance section. Split section 9 into a Rules Section and a Conformance Section. Add note that these are requirements on conforming specifications, and that they indicate documentation as well as behavior requirements. Clarify 9.2.3 as documentation requirement on specifications claiming conformance. Clarify wording for elements of the referenced bullet list [PIM WD12] Reference: ~~WSCALENDAR-521~~

Description

Unclear conformance requirements in section 9.2.3 "Conformance issues" [line 677]

For "Precision" bullet point [line 682]: reads more like a recommendation that probably belongs best in the body of the specification (also, missing question mark).

For "Time Zones and UTC" [line 684] : it is unclear how these details "restrict the variability inherent in the expressions of Date and Time ": there are several "may" statements normative requirements, and one "cannot". It would be clearer if normative keywords were used (MAY, MAY NOT). Even so, such optional keywords are difficult to interpret in a conformance clause: they sound more like "relaxation" than restrictions - (and a conformance clause is not supposed to relax normative requirements) as stated in the body.

Comments

Comment by William Cox (Inactive) [20/Jul/14]

References:
~~WSCALENDAR-521~~
~~WSCALENDAR-522~~
~~WSCALENDAR-523~~
~~WSCALENDAR-524~~

This is a requirement on specifications claiming conformance,describing things that they must desribe in their conformance statements. As such, it belongs in the Conformance Section.

Section 9 should be split into Rules and Conformance.

[WSCALENDAR-521] Inheritance behavior out of place in Conformance section Created: 25/Jun/14 Updated: 03/Aug/14 Resolved: 20/Jul/14	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CSPRD02
Fix Version/s:	PIM WD11

Type:	Bug	**Priority:**	Major
Reporter:	Toby Considine	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	TAB Comments		

Resolution:	Restructure document so the rules applied are in a separate section prior to and not included in the Conformance section. Write appropriate conformance clauses to reference those rules.

Description

In section 9.2.1 [line 647], there are rules for inheritance that - apparently - represent normative content that should be part of the body of the specification, and not introduced in the Conformance section (the latter should only be concerned with referring to prior content, or might state new requirements but only if they are not appropriate in the spec body.) Any reason why these inheritance rules could not belong to the specification narrative?

Comments

Comment by William Cox (Inactive) [20/Jul/14]

Note that this comment applies to the balance of the Conformance section as well.

References:
~~WSCALENDAR-521~~
~~WSCALENDAR-522~~
~~WSCALENDAR-523~~
~~WSCALENDAR-524~~

[WSCALENDAR-520] HTML Redirect Created: 25/Jun/14 Updated: 03/Aug/14 Resolved: 20/Jul/14	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CSPRD02
Fix Version/s:	PIM WD11

Type:	Bug	**Priority:**	Trivial
Reporter:	Toby Considine	**Assignee:**	William Cox (Inactive)
Resolution:	No Action		
Labels:	None		
Environment:	TAB Comments		

Proposal:	Change link http://www.unc.edu to http://unc.edu at lines 845 and 854 (raw view)
Resolution:	No change. The resolved link is wherever the domain owner chooses, and the www.unc.edu reference works. Checked with UNC administrative staff, and they recommend leaving reference as it is.

Description

The W3C link checker reports: ***** Lines: 845, 854 http://www.unc.edu/ redirected to http://unc.edu/ Status: 301 -> 200 OK This is a permanent redirect. The link should be updated. ***** Otherwise the draft is clean! Congratulations!

Comments

Comment by Toby Considine [18/Jul/14]

And it will redirect somewhere else next week.

Recommend leaving it as it is.

Comment by William Cox (Inactive) [20/Jul/14]

Thanks for checking; I often use a Firefox add-in for this and didn't notice.

Comment by William Cox (Inactive) [20/Jul/14]

Per UNC administrative staff, this is benign (and has and will change from time to time).

Comment by William Cox (Inactive) [27/Jul/14]

No action.

[WSCALENDAR-519] Normative vs. Non-Normative text Created: 25/Jun/14 Updated: 03/Aug/14 Resolved: 20/Jul/14	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CSPRD02
Fix Version/s:	PIM WD11

Type:	Bug	**Priority:**	Major
Reporter:	Toby Considine	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	TAB Comments		

Proposal:	Review the text with a view towards marking non-normative text as non-normative.
Resolution:	Review and rewrite the entire specification as necessary to ensure that non-normative text is marked as non-normative.

Description

1. Introduction reads: ***** All text is normative unless otherwise labeled. ***** Is there any non-normative text before Section 5, which is labeled as non-normative? I ask because Section 4 (just an example, not the only one) begins: ***** In this section we introduce the PIM, and treat in turn each component of the PIM. Each subsection has an introduction, a diagram, and discussion that may include the relationship of the respective components to the rest of the PIM. This Platform-Independent Model (PIM) [MDA] describes an abstraction from which the Platform-Specific Model (PSM) of [WS-Calendar] can be derived. The intent is twofold: (1) To define an abstraction for calendar and schedule more in the style of web services descriptions, which may be used directly, and (2) To define the PIM as a model allowing easy transformation or adaptation between systems using the family of WS-Calendar specifications (such as [WS-Calendar], [xCal], [iCalendar]) as well as those addressing concepts of time intervals and Sequences (such as [IEC CIM], [EnergyInteroperation], and [EMIX]. ***** I don't experience that portion of section 4 as normative text. There are simply introductions and asides that appear to be non-normative.

Comments

Comment by William Cox (Inactive) [03/Aug/14]

Rewrote, indicating Notes, and separating normative and non-normative designations. Sections were reorganized and labeled non-normative as appropriate.

[WSCALENDAR-518] Vague list Created: 25/Jun/14 Updated: 03/Aug/14 Resolved: 20/Jul/14	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CSPRD02
Fix Version/s:	PIM WD11

Type:	Bug	**Priority:**	Major
Reporter:	Toby Considine	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	TAB Comments		

Proposal:	Remove the first instance of this list. Augment the second instance with section numbers and hyperlinks to the places where these are defined.
Resolution:	Add internal cross references to the items on line 215 and reword introductory text. Delete section 2.2. Address as part of overall edit for correct description and normative statements.

Description

2.2 Key Abstractions [line 112] reads as follows: ***** We define the following in order: · Types for date, time, and duration · The Interval · Payload attachment to an Interval · Relations · The Gluon · Tolerance · Availability ***** Actually, no, those are not defined in order. As a matter of fact, this same list appears at 4.1 [line 215] and begins to define these terms at 4.2 [line 247].

Moreover, neither list has section references and/or hyperlinks to the appropriate sections.

[line references inserted]

[WSCALENDAR-517] Incorrect ISO citation for ISO 8601:2004 Created: 25/Jun/14 Updated: 03/Aug/14 Resolved: 20/Jul/14	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CSPRD02
Fix Version/s:	PIM WD11

Type:	Bug	**Priority:**	Minor
Reporter:	Toby Considine	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	TAB Comments		

Proposal:	Please update the reference to use the correct citation. Use of incorrect citations doesn't inspire confidence in the rest of the draft.
Resolution:	Change citation to [ISO8601] ISO (International Organization for Standardization). Data elements and interchange formats -- Information interchange -- Representation of dates and times, Edition 3, 3 December 2004, (ISO 8601:2004)

Description

1.2 Normative References reads in part: ***** [ISO8601] ISO (International Organization for Standardization). Representations of dates and times, third edition, December 2004, (ISO 8601:2004) ***** The correct citation (as given by: http://www.iso.org/iso/home/search.htm?qt=8601%3A2004&sort=rel&type=simple&published=on) is: ***** Data elements and interchange formats -- Information interchange -- Representation of dates and times ***** The traditional key is: ISO 8601:2004.

Comments

Comment by William Cox (Inactive) [20/Jul/14]

Note that at least the IEC standards I work with typically include an edition number if not Ed 1.0. With the date, and no other revisions that year, the bare citation is acceptable.

Need to cross check with OASIS citation formats.

Comment by William Cox (Inactive) [27/Jul/14]

The key was present; the full title should be included as suggested.

Comment by William Cox (Inactive) [03/Aug/14]

See ~~WSCALENDAR-516~~ for further discussion.

Each SDO requires its specific format for citations, which defines a consistent style for citations. We have enhanced (e.g.) the RFC references to include additional semantic information about RFCs, and the ISO key is included in the citation form used.

[WSCALENDAR-516] Four (4) incorrect RFC citations Created: 25/Jun/14 Updated: 03/Aug/14 Resolved: 20/Jul/14	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CSPRD02
Fix Version/s:	PIM WD11

Type:	Bug	**Priority:**	Minor
Reporter:	Toby Considine	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	TAB Comments		

Proposal:	TC Admin supplies format for RFC and other citations. Suggested format (changing to lastname, firstname and adding BCP14 for 2119) would be [RFC2119] Bradner, S.., Key words for use in RFCs to Indicate Requirement Levels, http://www.ietf.org/rfc/rfc2119.txt, BCP 14, IETF RFC 2119, March 1997.
Resolution:	Format to be applied ((with the title in Italic) is: [RFC2119] Bradner, S.., Key words for use in RFCs to Indicate Requirement Levels, http://www.ietf.org/rfc/rfc2119.txt, BCP 14, IETF RFC 2119, March 1997. Change all RFC and Internet Draft references to that format for consistency.

Description

All four (4) of the RFCs in 1.2 Normative References are cited incorrectly. That includes 2219, which is properly cited in the template distributed by the TC admin.

Original proposed resolution:
Correct the RFC citations as per the RFC Editor's list at: http://www.rfc-editor.org/in-notes/rfc-ref.txt or my only current RFC list at: http://www.durusau.net/standards/rfc/current/

Comments

Comment by William Cox (Inactive) [27/Jul/14]

On attempting to apply the resolution there are several difficulties.

(1) The IETF format is recommended, not controlling; I cannot locate OASIS citation formats except for those in the "recommended citation" and the starter documents. The major item missing is the classification of the RFC, e.g. STD for standards track and approved.

(2) The IETF format is "consistently inconsistent" with all but the final author IF MORE THAN ONE as <lastname>, <first initial or initials>.

(3) TC Admin should resolve this issue of format. At least for RFC2119, TC Admin says that documents not following the starter document will be rejected. TC Admin is silent on reference format otherwise so far as I can find, except for the recommended format for citation of OASIS documents.

(4) For me this is a profound "don't care, I'll follow TC Admin's guidance"

Suggested solution:

TC Admin decides what format to use for RFC2119, and all other RFC citations follow that format. (I suggest

[RFC2119] Bradner, S., Key words for use in RFCs to Indicate Requirement Levels, http://www.ietf.org/rfc/rfc2119.txt, BCP 14, IETF RFC 2119, March 1997.

with the title in Italic rather than in double quotes which don't belong in text style supporting documents. "BCP 14" is not present and "S. Bradner" is the author name used in the starter document.

Comment by William Cox (Inactive) [27/Jul/14]

If TC Admin selects a different format, this will need to be redone or request reference updates in the CSPR requests.

Comment by William Cox (Inactive) [03/Aug/14]

After much side discussion, the IETF RECOMMENDED citation format is understood to be inconsistent with that in the mandatory OASIS Template and Starter Document.

A style guide for references has been requested from TC Admin, who enforces style.

Following each cited standards' organization RECOMMENDED CITATION FORM would make this document look odd, and is inconsistent with styles for references imposed by virtually all SDOs.

[WSCALENDAR-515] XMI - incorrect citation Created: 25/Jun/14 Updated: 03/Aug/14 Resolved: 20/Jul/14	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CSPRD02
Fix Version/s:	PIM WD11

Type:	Bug	**Priority:**	Minor
Reporter:	Toby Considine	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	TAB Comments		

Proposal:	Correct the XMI citation to read: MOF 2.0/XMI Mapping Specification, v2.1
Resolution:	Correct all citations as identified in this and other items. Note in updating that the tooling used supports XMI 2.1 but not 2.4.x. Changes: [XMI] MOF 2.0/XMI Mapping Specification, v2.1, September 2005, Object Management Group, http://www.omg.org/spec/XMI/2.1/ Footnote reads " The UML tools used by the TC support version 2.1, which is not the most recent as of this date."

Description

1.2 Normative References reads in part
: ***** [XMI] XMI Version 2.1, September 2005, Object Management Group, http://www.omg.org/spec/XMI/2.1/
***** The document in question gives its citation as:
***** MOF 2.0/XMI Mapping Specification, v2.1
***** Out of six (6) normative references, you have gotten six (6) of those six (6) incorrect.

Comments

Comment by William Cox (Inactive) [03/Aug/14]

See ~~WSCALENDAR-525~~ - recent versions, not universally used, of Enterprise Architect export XMI 2.4.1, but it's not clear without much work that round trip is supported - it is supported and used for XMI2.1, and every tooling set evaluated supports XMI 2.1 for export/import of models.

[WSCALENDAR-514] Invalid, incorrect and otherwise flawed Non-Normative References Created: 25/Jun/14 Updated: 03/Aug/14 Resolved: 27/Jul/14	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CSPRD02
Fix Version/s:	PIM WD11

Type:	Bug	**Priority:**	Minor
Reporter:	Toby Considine	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	TAB Comments		

Proposal:	Correct the noted citations and proof the others against their sources and correct as appropriate. Note that "latest version" is not an acceptable citation for a specific standard.
Resolution:	Correct URI to http://www.omg.org/spec/BPMN/2.0/. Change BPMN Citation to [BPMN] Business Process Model and Notation (BPMN) Version 2.0, Object Management Group, Version 2.0, http://www.omg.org/spec/BPMN/2.0/, January 2011 Change XMLSchema Citation to [XMLSchema] W3C XML Schema Definition Language (XSD) 1.1, World Wide Web Consortium, Part 1: Structures, S. Gao, C. M. Sperberg-McQueen, H. S. Thompson, N. Mendelsohn, D. Beech, M. Maloney, Editors, W3C Recommendation, 5 April 2012, http://www.w3.org/TR/2012/REC-xmlschema11-1-20120405/. Latest version available at http://www.w3.org/TR/xmlschema11-1/. Part 2: Datatypes, D. Peterson, S. Gao, A. Malhotra, C. M. Sperberg-McQueen, H. S. Thompson, P. Biron, Editors. W3C Recommendation, 5 April 2012, http://www.w3.org/TR/2012/REC-xmlschema11-2-20120405/ . Latest version available at http://www.w3.org/TR/xmlschema11-2/ IEC-CIM - see comment. The following parts define schedules, and use "StartTime" and ISO 8601 Duration and Time, hence are most relevant: IEC 61970-301, Ed. 5.0

	IEC 61968-9, Ed. 1 Change IEC-CIM reference to [IEC CIM] IEC 61968/61970, International Electrotechnical Commission, collection of specifications, various dates, http://www.iec.ch and add Footnote: In this specification, the relevant parts are IEC 61968-9, Edition 2.0, October, 2013, http://webstore.iec.ch/webstore/webstore.nsf/ArtNum_PK/48719?OpenDocument and IEC 61970-301, Edition 5.0, December 2013, http://webstore.iec.ch/webstore/webstore.nsf/ArtNum_PK/49080?OpenDocument Note that IEC reference format prohibits URIs. All other references were checked.

Description

Section 1.3 reads in part:
***** [BPMN] OMG Standards, http://www.bpmn.org/ . [invalid on its face]

*** [IEC CIM] International Electrotechnical Commission, IEC 61968/61970, various dates, http://www.iec.ch [Invalid on its face]

*** [XMLSchema] XML Schema, World Wide Web Consortium, http://www.w3.org/standards/xml/schema [XML Schema exists in two parts, the correct citations being: XMLSCHEMA11-1 W3C XML Schema Definition Language (XSD) 1.1 Part 1: Structures , S. , M. , H. S. Thompson, N. Mendelsohn, D. Beech, M. Maloney, Editors, W3C Recommendation, 5 April 2012, http://www.w3.org/TR/2012/REC-xmlschema11-1-20120405/ . Latest version available at http://www.w3.org/TR/xmlschema11-1/ . XMLSCHEMA11-2 W3C XML Schema Definition Language (XSD) 1.1 Part 2: Datatypes , D. Peterson, S. , A. Malhotra, M. , H. S. Thompson, P. V. Biron, Editors, W3C Recommendation, 5 April 2012, http://www.w3.org/TR/2012/REC-xmlschema11-2-20120405/ . Latest version available at http://www.w3.org/TR/xmlschema11-2/ .]

***** I have not proofed the remaining citations under 1.3 Non-Normative references but suggest that the editor verify all the citations before submitting another version of this work product.

Comments

Comment by William Cox (Inactive) [27/Jul/14]

The BPMN URI in the Resolution references the specification and associated documents page including non-normative examples and change history. The reference to the specification itself

is http://www.omg.org/spec/BPMN/2.0/PDF

The IEC-CIM citation is correct,as the specifications are not on line, and there are 20 or so parts, several of which touch on time stamps and implicit definitions of time interval. The source that everyone working in that space uses is a non-normative UML model.

Given that the use of this NON-NORMATIVE REFERENCE is to examine expression of a class defined in the UML model, it would do the reader a disservice to search and cite all possibly relevant parts, and would cost in excess of $10,000 to actually look at all the parts. Examining the parts I have access to, there is no explicit definition of a time interval; The elements of an ISO 8601 time interval (e.g. starttime and endtime) are contained in more complex classes rather than as explicit intervals.

[WSCALENDAR-513] 1.5 Naming Conventions - vague Created: 25/Jun/14 Updated: 03/Aug/14 Resolved: 20/Jul/14	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CSPRD02
Fix Version/s:	PIM WD11

Type:	Bug	**Priority:**	Major
Reporter:	Toby Considine	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	TAB Comments		

Proposal:	Reviewer: List UML predefined types used and provide normative citations to their definitions in UML. That will require moving UML to 1.2 Normative References.
Resolution:	The only UML primitive type used is String from http://www.omg.org/spec/UML/20110701/PrimitiveTypes.xmi and footnote the URI for the definition. Change UML reference to normative. Include note that the tooling used supports XMI 2.1 as used in the Primitive Types definition.

Description

1.5 Naming Conventions reads in part: ***** [line 65] "Some UML predefined types are used, e.g. string." ***** It would be good to share with the reader which UML predefined types are used along with references to where they are defined in UML. BTW, note that UML is *not* a normative reference in 1.2.

[WSCALENDAR-512] Normative text confusion Created: 25/Jun/14 Updated: 03/Aug/14 Resolved: 20/Jul/14	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CSPRD02
Fix Version/s:	PIM WD11

Type:	Bug	**Priority:**	Major
Reporter:	Toby Considine	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	TAB Comments. Line 2, 70-72		

Proposal:	Reviewer: Revise to have one statement in one location of normative versus non-normative. Suggest saying notes and examples are always non-normative. Other text is normative unless labeled as non-normative.
Resolution:	Revise to have one statement in one location of normative versus non-normative; reference line 72 (Section 1.6, Editing Conventions) at line 2 as follows: All text is normative unless otherwise labeled. Notes and examples are non-normative; see Section 1.6 Editing Conventions. Combine text as suggested, consistent with OASIS document templates.

Description

Section 1 reads: ***** All text is normative unless otherwise labeled. ***** However, that is contradicted by 1.6, which reads in part: ***** All items in the tables not marked as “optional” are mandatory. Information in the “Specification” column of the tables is normative. Information appearing in the “Note” column is explanatory and non-normative. All sections explicitly noted as examples are informational and are not to be considered normative. ***** So information in the Note column, if not labeled as non-normative is normative, except that if it is in the Note column then it is explanatory. Yes? This type of conflict/confusion is unnecessary.

[WSCALENDAR-511] Appendix D is not really about "conformance" differences. Created: 25/Jun/14 Updated: 03/Aug/14 Resolved: 27/Jul/14	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CSPRD02
Fix Version/s:	PIM WD11

Type:	Bug	**Priority:**	Minor
Reporter:	Toby Considine	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	TAB Comments		

Proposal:	(not from commenter): Correct the description of differences in Appendix D to reflect PIM WD11. Change title of Appendix D to reflect that it is rules differences that are described and note that [WS-Calendar] combines rules and conformance. Update Appendix C and consider title change.
Resolution:	Delete Appendix D.

Description

Appendix D seems to be mis-titled. It really only compares normative content between specifications - not their conformance requirements (which should only show in a Conformance sections).

Comments

Comment by William Cox (Inactive) [20/Jul/14]

The comment is correct; the difference reflects differences in the Rules (in the WS-Calendar "Conformance and Rules" section) and that in Section 9 of PIM CSPRD02.

Consider re-titling Appendixes C and D.

Comment by William Cox (Inactive) [03/Aug/14]

WS-Calendar 1.0 has a combined rules and conformance section. The PIM as of WD11 has a Rules section and a Conformance section. The differences are more complex, and seem not particularly useful as the wording in PIM WD11 has changed significantly to delete WS-Calendar 1.0 text while retaining the core conformance and rules.

[WSCALENDAR-510] SOA-RM Normative? Created: 25/Jun/14 Updated: 03/Aug/14 Resolved: 27/Jul/14	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CSPRD02
Fix Version/s:	PIM WD11

Type:	Bug	**Priority:**	Major
Reporter:	Toby Considine	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	TAB Comments		

Proposal:	Commenter: If there is normative reliance on SOA-RM, move SOA-RM to normative references and insert the correct citations for roles, names and patterns.
Resolution:	The PIM does not rely on SOA-RM, and has an informative reference to connect the purpose of WS-Calendar to the purpose of the PIM. Note that this is carryover text from WS-Calendar, included so that the context of WS-Calendar. However, WS-Calendar as a PSM likely has a different focus than the PIM (although the PIM purpose fits well with the stated WS-Calendar purpose on lines 76-77). Improve the wording and retain the non-normative reference to SOA-RM.

Description

1.7 Architectural References and Background reads in part: ***** WS-Calendar and this WS-Calendar PIM assume incorporation into services. Accordingly it assumes a certain background of definitions and discussion of roles, names, and interaction patterns. This document relies heavily on roles and interactions as defined in the OASIS Standard Reference Model for Service Oriented Architecture [SOA-RM]. ***** Does "relies heavily on roles and interactions" [lines 76-77] mean that this proposal normatively relies on SOA-RM? If so, SOA-RM needs to be under normative references and where appropriate, cited by section numbers.

Comments

Comment by William Cox (Inactive) [20/Jul/14]

Short answer to the desription is "No". The PIM does not rely on SOA-RM, and has an informative reference to connect the purpose of WS-Calendar to the purpose of the PIM.

Note that this is carryover text from WS-Calendar, included so that the context of WS-Calendar. However, WS-Calendar as a PSM likely has a different focus than the PIM (although the PIM purpose fits well with the stated WS-Calendar purpose on lines 76-77).

Consider improved wording, as the goal of the PIM is broader than that of WS-Calendar.

Comment by William Cox (Inactive) [27/Jul/14]

Action is to improve wording related to SOA-RM; reference remains non-normative.

[WSCALENDAR-509] 2 Architecture - Normative? Created: 25/Jun/14 Updated: 03/Aug/14 Resolved: 03/Aug/14	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CSPRD02
Fix Version/s:	PIM WD11

Type:	Bug	**Priority:**	Major
Reporter:	Toby Considine	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	TAB Comments		

Proposal:	Commenter: If Section 2 Architecture is non-normative, please label it as such. Normative sections state requirements to be met by those who conform to the proposal. wtc: consider also combining with Section 6 Architectural Basis for the PIM. Consider the issue of conformance requirements for mapping a non-normative PIM description in Section 2 to a given PSM claiming conformance. See comments.
Resolution:	Change Section 2 to non-normative and integrate content from Section 6 Architectural Basis. The discussion provides context but does not include normative requirements.

Description

Is any part of Section 2 Architecture normative? I see a great deal of discussion of what the proposal is going to do but nothing that makes any normative demands on an implementer of this proposal. Yes?

Comments

Comment by William Cox (Inactive) [20/Jul/14]

Consider making the architecture informative only.

We must be aware that conformance must reflect how a conformant PSM references, uses, and maps the architecture, and if the architecture is informative, how does that fit with a requirement to show mapping? However, the normative requirement is that the Rules (informed by the definitions) are followed, and that any mapping of architectural component names mentioned in the Rules be desribed.

Consider combining with Section 6 Architectural Basis for the PIM (Non-Normative)

[WSCALENDAR-508] 3.1 Time Intervals and (more normative language) Created: 25/Jun/14 Updated: 03/Aug/14 Resolved: 27/Jul/14	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CSPRD02
Fix Version/s:	PIM WD11, PIM WD12

Type:	Bug	**Priority:**	Major
Reporter:	Toby Considine	**Assignee:**	Toby Considine
Resolution:	Fixed		
Labels:	None		
Environment:	TAB Comments		

Proposal:	Commenter: Seriously consider re-casting this as a less than 10 page profile of WS-Calendar, sans all the repetition and graphics.
Resolution:	(1) the PIM semantics must be self-contained (free standing) (2) the relationship of the PIM to WS-Calendar must be the same as any PIM to its respective PSMs (i.e., that to understand the PIM one must not be required to read one specific PSM, which would be a normative reference nightmare) (3) the exposition must be clear to the reader who looks at WS-Calendar and then WS-Calendar PIM (4) the exposition must clearly use UML terminology rather than XSD terminology (this would clean up section 2.5) Finally, the circularity in normative reference is addressed by changing the normative reference to WS-Calendar 1.0 to informative.

Description

3.1 Time Intervals and Collections of Time-Related Intervals reads in part: ***** Certain terms appear throughout this document and are defined in Table 3-1. Some terms are discussed in greater depth in later sections. In all cases, the normative definition is in this section. WS-Calendar terminology begins with a specialized terminology for the segments of time, and for groups of related segments of time. These terms are defined in Table 3-1 through Table 3-4 below, and are quoted from [WS-Calendar]. The definitions are normative because this is a standalone specification. ***** The "The definitions are normative because this is a standalone specification." was the first thing that caught my eye. Really? Standalone or not that sentence makes no sense. But then noticing, "certain terms," "some terms," etc. Rather than copying from WS-Calendar, why not make a profile of WS-Calendar that has the six (6) changes listed in

Appendix D and then require conformance to WS-Calendar and then this as a profile? A lot less writing and unnecessary UML diagrams.

Comments

Comment by William Cox (Inactive) [20/Jul/14]

I believe that it is extremely important for the PIM to contain the (slightly reworded) definitions from WS-Calendar 1.0. We are reversing the roles of PIM and PSM in development by building "the PIM" as an abstraction of the existing specification WS-Calendar 1.0.

A PIM cannot functionally be a profile of one of its PSMs, or the usefulness of Model-Driven Architecture is compromised.

That said, consider how to address this issue, keeping in mind that
(1) the PIM semantics must be self-contained (free standing)
(2) the relationship of the PIM to WS-Calendar must be the same as any PIM to its respective PSMs (i.e., that to understand the PIM one must not be required to read one specific PSM, which would be a normative reference nightmare)
(3) the exposition must be clear to the reader who looks at WS-Calendar and the WS-Calendar PIM
(4) the exposition must clearly use UML terminology rather than XSD terminology (this would clean up section 2.5)

Finally, the circularity in normative reference may be addressed by changing the normative reference to WS-Calendar 1.0 to informative.

REFERENCES:
~~WSCALENDAR-507~~

Comment by William Cox (Inactive) [03/Aug/14]

The entire document was edited carefully to address the resolution.

In addition (see a different Issue related to XSD package in the model) the XSD references were deleted from the model.

[WSCALENDAR-507] Section 4 Descriptions Created: 25/Jun/14 Updated: 03/Aug/14 Resolved: 03/Aug/14	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CSPRD02
Fix Version/s:	PIM WD11

Type:	Bug	**Priority:**	Major
Reporter:	Toby Considine	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	TAB Comments		

Proposal:	Commenter: Revise Section 4 as a whole to separate normative text from speculation on what other choices might lead to. Pointing out every case in this section and others would require a complete edit of the document so I leave that to the next revision from the TC.
Resolution:	Revise Section 4 separating normative text from alternatives, applications, and references to WS-Calendar 1.0. A PIM should not normatively reference one of its PSMs.

Description

Section 4.2.1 Model Diagram reads in part: ***** The class · ToleranceValueType is comprised of a set of optional attributes of DurationType. Tolerances can be expressed in any combination; however, the complexity of rules addressing the relationships of tolerances in start, end, and duration will likely lead to implementation-specific rules limiting the concurrent uses of tolerance attributes. ***** It is difficult to tell is this is expressing a normative requirement or is it simply commentary along the way? The majority of section 4 reads this way so take this as a single example.

Comments

Comment by William Cox (Inactive) [20/Jul/14]

Part of the exposition reflects on use of the normative reference ISO 8601, where intervals are defined with start, end, and duration, any two of which are optional.

Section 4 should be edited to reflect normative decisions, but the possible expressions in a PSM should be described - we have two PSMs that I've worked with: (1) WS-Calendar 1.0, where start-duration is the required combination, and the ASHRAE SPC201P PSM with respect to the PIM where start and end are required. The optionality and semantics are defined by a PSM, and expressing the range of possibilities seems important.

Modified to address SECTION 4 in its entirety.

Comment by William Cox (Inactive) [20/Jul/14]

Update to specify all of Section 4. 4.2.1 is an exemplar of the issue.

[WSCALENDAR-506] Gluon as Handle and Service Entry Point (SEP) Created: 17/Jan/14 Updated: 28/Feb/15 Resolved: 28/Feb/15	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM WD05
Fix Version/s:	None

Type:	Improvement	**Priority:**	Major
Reporter:	Toby Considine	**Assignee:**	William Cox (Inactive)
Resolution:	No Action		
Labels:	None		
Environment:	Toby Considine		

Proposal:	Add to 4.6.3: As above, a Gluon can be thought of as a pointer into an array of intervals, one able to add missing scheduling information to the array. If one considers the unschedduled array as a subroutine or template, than a Gluon defines an instance or invocation of that template. Several Gluons MAY be advertised pointing into the same Array. When used in this way, each Gluon acts as a Service Entry Point for the interacting with that template. Each service entry point may in turn be accompanied by additional information: a different price, a different schedule of availability, and so on. Alternately, a Gluon that makes the entire instance associated with each entry point actionable.
Resolution:	Assigning to Bill for PIM cleanup post CS01.

Comments

Comment by William Cox (Inactive) [28/Feb/15]
Overtaken by events. Updated version at ~~WSCALENDAR-555~~ applied to PIM CS01.

[WSCALENDAR-474] Demonstrate mapping from PIM to WS-Calendar Created: 20/May/13 Updated: 03/Aug/14 Resolved: 20/Jul/14	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM WD05
Fix Version/s:	PIM WD11

Type:	Improvement	**Priority:**	Major
Reporter:	William Cox (Inactive)	**Assignee:**	William Cox (Inactive)
Resolution:	Fixed		
Labels:	None		
Environment:	William Cox		

Resolution:	Describe mapping informally in a non-normative appendix to the PIM specification.

Description

Define mapping in a separate document from the PIM to WS-Calendar. This may become a Note.

Comments

Comment by William Cox (Inactive) [20/Jul/14]

The proposed solution, of describing the PIM-PSM(WS-Calendar 1.0) mapping in a a separate document is rejected. The TC would not like to proliferate related documents, rather keep the content together where it will be used.

This could be considered "fixed in part" because it was not in PIM CSPRD01, and is described in PIM CSPRD02 in Section 7 line 509.

Comment by William Cox (Inactive) [03/Aug/14]

Adds only 8 pages to the specification. More clear to the reader to include as a non-normative Appendix C.

Comment by William Cox (Inactive) [03/Aug/14]

The mapping was included in CSPRD02/WD10, and moved to a non-normative appendix in WD11.

[WSCALENDAR-473] No UID in PIM Created: 20/May/13 Updated: 03/Aug/14 Resolved: 20/Jul/14	
Status:	Closed
Project:	OASIS Web Services Calendar (WS-Calendar) TC
Component/s:	PIM
Affects Version/s:	PIM CSPRD01
Fix Version/s:	PIM CSPRD01, PIM WD10

Type:	Improvement	**Priority:**	Major
Reporter:	Toby Considine	**Assignee:**	William Cox (Inactive)
Resolution:	No Action		
Labels:	None		
Environment:	Bill Cox (Review of Streams)		

Resolution:	Include instandUID: String as an attribute of IntervalType.

Description

There is no notion of a UID in the PIM

In WS-Calendar, event Component must have a unique ID that is externally addressable. In Streams, the Sequence can be made unique by concatenating with IDs in objects ACTING AS Gluons

Comments

Comment by William Cox (Inactive) [20/May/13]

Opening issue. In a more abstract world there are references, and the UID from xCal/WS-Calendar is one method. The LinkType fulfills the same function, but the relationship of UID in the WS-Calendar Platform-Specific Model (PSM) and the PIM (target of a Link) needs to be more clear and at the correct level.

Toby is right that the UID per se is not in PIM; the question is whether the functionality is there and whether a UID-like thing fits in parallel or under the LinkType.

Comment by William Cox (Inactive) [20/Jul/14]

This use of LinkType is the same in PIM CSPRD02. The issue is not apposite: the capability of a UID is explicitly included in LinkType, as are references expressed as UIDs or as a "reference". The point is to have an unambiguous reference to a related interval, and LinkType satisfies that while not requiring overly restrictive UIDs.

CSPRD02 changed LinkType to "reference" which would be mapped to UID, URI, other references as appropriate in a PSM.

Comment by William Cox (Inactive) [03/Aug/14]

This was done post CSPRD01 and pre-CSPRD02.

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