

Potential appendix information for both subscribed notifications and YANG push...

Numbers refer to objects in YANG schema (below)

Legend:

error for streams,

error for datastores

error for both streams and datastores

Errors returned with "subscription-result" error-type: application error-tag: operation-failed	RPCs					Notifications		
	establish	modify	delete	kill	resynch	terminated	modified	suspend
<b>error-app-tag: dscp-unavailable</b> <b>error-message:</b> Requested DSCP marking not allocatable If the requested DSCP is not available to this subscriber, subscription should be rejected.	25							
<b>error-app-tag: filter-unavailable</b> <b>error-message:</b> Referenced filter does not exist						14		
<b>error-app-tag: filter-unsupported</b> <b>error-message:</b> Cannot parse syntax within the filter <b>error-info:</b> <b>filter-failure</b> string Information describing where and/or why a provided filter was unsupportable for a subscription	10,12,14	10,12,14						
<b>error-app-tag: history-unavailable</b> <b>error-message:</b> Replay request too far into the past <b>error-info:</b> <b>replay-start-time-hint</b> yang:date-and-time  The publisher does store historic information for all parts of requested subscription, but not back to the requested timestamp. A currently fulfillable timestamp may be suggested.	15							
<b>error-app-tag: insufficient-resources</b> <b>error-message:</b> The publisher has insufficient resources to support the requested subscription	10,12,14	10,12,14						
<b>error-app-tag: no-such-subscription</b>		1	1	1	1	1		

<b>error-message: Subscription identifier doesn't exist</b> This covers a non-existent subscription ID, an ID which belongs to another subscriber, or a subscription has been statically configured.								
<b>error-app-tag: replay-unsupported</b> <b>error-message: Replay cannot be performed for this subscription</b>  The publisher does not provide the requested historic information via replay.	15							
<b>error-app-tag: stream-unavailable</b> <b>error-message: This is not a subscribable stream</b>						2		
<b>error-app-tag: suspension-timeout</b> <b>error-message: Termination of previously suspended subscription</b> The publisher eliminated the subscription as it exceeded a time limit for suspension.						yes		
<b>error-app-tag: unsupportable-volume</b> <b>error-message: The publisher cannot support the volume of information intended to be sent for an existing subscription</b>								10,12,14
<b>error-app-tag: cant-exclude</b> <b>error-message: Unable to exclude the requested excluded-changes</b>  The publisher cannot get rid of all the types of changes a subscriber doesn't want to see.	24							
<b>error-app-tag: datastore-not-subscribable</b> <b>error-message: This is not a subscribable datastore</b>	28					28		
<b>error-app-tag: on-change-unsupported</b> <b>error-message: On-change is not supported for any objects which are selectable by this filter</b>	21							
<b>error-app-tag: on-change-synch-unsupported</b> <b>error-message: Neither synch on start nor resynchronization are supported for this subscription</b>	22							
<b>error-app-tag: period-unsupported</b> <b>error-message: Requested time period is too short</b> <b>error-info:</b> <b>period-hint yang:timeticks</b> This can be for both periodic and on-change dampening	19,23	19,23						19,23
<b>error-app-tag: result-too-big</b>	10,12,14	10,12,14						10,12,14

<p><b>error-message:</b> Periodic or on-change push update datatrees exceed a maximum size limit</p> <p><b>error-info:</b></p> <p>object-count-estimate uint32</p> <p>object-count-limit uint32</p> <p>kilobytes-estimate uint32</p> <p>kilobytes-limit uint32</p> <p>Resulting periodic or on-change push updates may exceed a size limit during normal conditions</p>							
<p><b>error-app-tag: synchronization-size</b></p> <p><b>error-message:</b> Synch-on-start or resynchronization datatree exceeds a maximum size limit</p> <p><b>error-info:</b></p> <p>object-count-estimate uint32</p> <p>object-count-limit uint32</p> <p>kilobytes-estimate uint32</p> <p>kilobytes-limit uint32</p> <p>The resulting Synch-on-start or resynchronization would push a datatree which exceeds size limit for a one-time update</p>	10,12,14	10,12,14			10,12,14		10,12,14
<p><b>error-app-tag: unchanging-selection</b></p> <p><b>error-message:</b> Selection filter will never reference yang objects</p> <p>Selection filter won't ever select datatree nodes. This means that based on the subscriber's current access rights, the publisher recognizes that the selection filter is unlikely to ever select datatree nodes which change. Examples for this might be that node or subtree doesn't exist, read access is not permitted, or static objects that only change at reboot have been chosen.</p>	10,12,14	10,12,14				10,12,14	

Below are the numbers which match to the boxes above...

```

+-- subscriptions
+-- subscription* [identifier]
(1)   +-- identifier
      +-- configured-subscription-state?
      +-- purpose?
      +-- protocol
(3)   +-- encoding
      +-- (target)
      | +--:(stream)
      | | +-- (stream-filter)?
      | | | +--:(by-reference)
      | | | | +-- stream-filter-ref
      | | | | +--:(within-subscription)
      | | | | +-- (filter-spec)?
      | | | | +--:(stream-subtree-filter)
      | | | | | +-- stream-subtree-filter?
      | | | | +--:(stream-xpath-filter)
      | | | | +-- stream-xpath-filter?
      | | | | +-- stream?
      | | | | +-- replay-start-time?
      | | | | +--:(yp:datastore)
      | | | | +-- yp:datastore
      | | | | +-- (yp:selected-content)?
      | | | | +--:(yp:by-reference)
      | | | | | +-- yp:selection-filter-ref
      | | | | | +--:(yp:within-subscription)
      | | | | | +-- (yp:filter-spec)?
      | | | | | +--:(yp:datastore-subtree-filter)
      | | | | | | +-- yp:datastore-subtree-filter?
      | | | | | +--:(yp:datastore-xpath-filter)
      | | | | | +-- yp:datastore-xpath-filter?
      | | | | +-- stop-time?
      | | | | +-- dscp?
      | | | | +-- weighting?
      | | | | +-- dependency?
      | | | | +-- (notification-message-origin)?
      | | | | | +--:(interface-originated)
      | | | | | | +-- source-interface?
      | | | | | +--:(address-originated)
      | | | | | +-- source-vrf?
      | | | | | +-- source-address?
      | | | | +-- receivers
      | | | | | +-- receiver* [address port]
      | | | | | | +-- address
      | | | | | | +-- port
      | | | | | | +-- pushed-notifications?
      | | | | | | +-- excluded-notifications?
      | | | | | | +-- status
      | | | | | | +--x reset
      | | | | | | +-- output
      | | | | | | +-- time
      | | | | | +-- (yp:update-trigger)
      | | | | | +--:(yp:periodic)
      | | | | | | +-- yp:periodic!
      | | | | | | +-- yp:period
      | | | | | | +-- yp:anchor-time?
      | | | | | +--:(yp:on-change)
      | | | | | +-- yp:on-change!
      | | | | | +-- yp:dampening-period?
      | | | | | +-- yp:no-synch-on-start?
      | | | | | +-- yp:excluded-change*

```