SIF Infrastructure Specification 3.3: Errata

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15 August 2019

SIF Infrastructure v3.3 - Errata

Since publication of SIF Infrastructure version 3.3 in May 2019, the following errors have been corrected in this publication:

1. Repeatable List

The element /provider/endPoint/properties represents a list of repeatable property items. In both v3.2.1 and v3.3 releases, the actual list was itself repeatable (maxOccurs="unbounded"), as well as the actual list items. This has been corrected, and the correct maxOccurs="1" setting is applied to the properties list.

2. Inconsistencies with SIF Infrastructure v3.2.1

As technology vendors have worked with the SIF Infrastructure XSD files for v3.3, they have noticed the following inconsistencies that have been repaired in this Errata release:

2.1. Cardinality settings

The following fields have had their cardinality settings (minOccurs) update to match the setting from v3.2.1

- /environment/infrastructureServices/infrastructureService now has minOccurs="2"

- /job/phases/phase/states/state & /states/state in v3.2.1 now has minOccurs="1"

2.2. POD Contact Fields

The following fields were defined in the first release of v3.3 as being repeatable, without the appropriate enveloping LIST element; they have been updated to have the correct form:

/pod/privacyList/privacy/privacyObligationsDocument/dataController/issuesNotificationContactList/contact
/pod/privacyList/privacy/privacyObligationsDocument/dataController/privacyContactList/contact
/pod/privacyList/privacy/privacyObligationsDocument/dataProcessor/dataBreachContactList/contact
/pod/privacyList/privacy/privacyObligationsDocument/dataProcessor/dataProcessorContactForAccessRequestsList/contact
/pod/privacyList/privacy/privacyObligationsDocument/dataProcessor/privacyContactList/contact
/pod/privacyList/privacy/privacyObligationsDocument/dataSubProcessorList/dataSubProcessor/privacyContactList/contact

2.3.　　　Nillable Optional Fields

The following fields were defined in v3.2.1 to be optional (minOccurs="0") and unable to accept a nil value (xsi:nil="false"). The original release of 3.3 had erroneously defined a number of fields as able to accept a nil value. This errata release, re-instates the missing `nillable="false"` definition on the following fields:

/alert/body
/alert/category
/alert/cause
/alert/code
/alert/description
/alert/error
/alert/internal
/alert/messageID
/alert/xpath
/codeSet/codeItems
/codeSet/codeItems/codeItem/aliases
/codeSet/codeItems/codeItem/definition
/codeSet/codeItems/codeItem/description
/codeSet/source
/createResponse/creates/create/error
/createResponse/creates/create/error/description
/deleteResponse/deletes/delete/error
/deleteResponse/deletes/delete/error/description
/environment/applicationInfo
/environment/applicationInfo/adapterProduct
/environment/applicationInfo/adapterProduct/iconURI
/environment/applicationInfo/adapterProduct/productVersion
/environment/applicationInfo/adapterProduct/vendorName
/environment/applicationInfo/applicationKey
/environment/applicationInfo/applicationProduct
/environment/applicationInfo/applicationProduct/iconURI
/environment/applicationInfo/applicationProduct/productVersion
/environment/applicationInfo/applicationProduct/vendorName
/environment/applicationInfo/dataModelNamespace
/environment/applicationInfo/supportedInfrastructureVersion
/environment/applicationInfo/transport
/environment/authenticationMethod
/environment/consumerName
/environment/defaultZone
/environment/defaultZone/description
/environment/defaultZone/properties
/environment/fingerprint
/environment/infrastructureServices
/environment/instanceId
/environment/provisionedZones

/environment/provisionedZones/provisionedZone/services

/environment/sessionToken

/environment/solutionId

/environment/userToken

/error/description

/job/created

/job/description

/job/initialization

/job/initialization/phaseName

/job/lastModified

/job/phases

/job/phases/phase/states/state/created

/job/phases/phase/states/state/description

/job/phases/phase/states/state/lastModified

/job/state

/job/stateDescription

/job/timeout

/provider/endPoint

/provider/mimeTypes

/provider/querySupport/adapterProduct

/provider/querySupport/adapterProduct/iconURI

/provider/querySupport/adapterProduct/productVersion

/provider/querySupport/adapterProduct/vendorName

/provider/querySupport/applicationProduct

/provider/querySupport/applicationProduct/iconURI

/provider/querySupport/applicationProduct/productVersion

/provider/querySupport/applicationProduct/vendorName

/provider/querySupport/changesSinceMarker

/provider/querySupport/dynamicQuery

/provider/querySupport/maxPageSize

/provider/querySupport/paged

/provider/querySupport/queryByExample

/provider/querySupport/totalCount

/provisionRequest/provisionedZones/provisionedZone/services

/queue/created

/queue/idleTimeout

/queue/lastAccessed

/queue/lastModified

/queue/maxConcurrentConnections

/queue/messageCount

/queue/minWaitTime

/queue/name

/queue/ownerId

/queue/ownerUri

/queue/polling

/queue/queueUri

/state/created

/state/description

/state/lastModified

/subscription/contextId

/updateResponse/updates/update/error

/updateResponse/updates/update/error/description

/xquery/description

/xquery/parameters/parameter/default

/xquery/parameters/parameter/description

/xquery/parameters/parameter/enumerations

/xquery/parameters/parameter/enumerations/enumeration/code

/xquery/parameters/parameter/maxLength

/xquery/parameters/parameter/minLength

/xquery/parameters/parameter/range

/xquery/parameters/parameter/required

/xquery/parameters/parameter/type

/xquery/qualifier

/zone/description

/zone/properties

3. Changes in Display

This section notes changes in documentation style since 3.3 initial release. While not impactful on the meaning of the specification, we hope they will bring better readability and clarity to that meaning.

3.1.   Characteristics

Where the above changes override aspects of established characteristics they are noted in the "Char" column of the documentation's table (and are also reflected in the XML Schema ofcourse).

3.1.1. Example

Element/@Attribute	Char	Privacy Rating
environment		
@ type	O	
@ id	O	
fingerprint	O nillable="false"	

3.2.   Privacy Rating (Future)

We are actively working to remove the Privacy Rating Column from specification that do not require it.

3.2.1. Example

Element/@Attribute	Char	Privacy Rating
environment		
@ type	O	
@ id	O	
fingerprint	O nillable="false"	

3.3.   JSON Schemas & Examples

This errata adds PESC JSON assets to the documentation of 3.3. These are made available in two places, within each XML example and at the front of the documentation.

3.3.1. Examples


```
JSON 📋    XML 📋

[
  {
    "environment": {
      "type": "DIRECT",
      "id": "B5Fd5DfB-ca3b-162a-5657-dDf31E32cE92",
      "fingerprint": "f5688c40-97d2-11e6-ae22-56b6b6499611",
      "sessionToken": "a579ff69-0148-1000-007f-14109fdcaf83",
      "solutionId": "production",
      "defaultZone": {
        "id": "District",
        "description": "The zone for the local school district.",
        "properties": {
          "property": [
            {
              "name": "email",
              "value": "john.smith@district.k12.wa.us"
            },
            {
              "name": "phone",
              "value": "(360)555-1234"
            }
          ]
        }
      }
    },
    "authenticationMethod": "SIF_HMACSHA256",
    "instanceId": "1",
    "userToken": "MmZkMjVmODItYjAxMC00NTFiLWFjZTEtNmRjNTI4MWYwZjdlOmhpdHNAbnNpcA==",
    "consumerName": "Example Consumer",
    "applicationInfo": {
```

Example 3.5.1-1: environment

This version:
    http://specification.sifassociation.org/Implementation/Infrastructure/3.3/infrastructures/index.html
Previous version:
    http://specification.sifassociation.org/Implementation/Infrastructure/3.2.1/contents.xhtml
Latest version:
    http://specification.sifassociation.org/Implementation/Infrastructure/3.3/infrastructures/index.html
XSD Schemas
    Schema_NoIncludes_Strict (single file, non-annotated) (ZIP archive)
    Schema_NoIncludes_Annotated_Strict (single file, annotated) (ZIP archive)
    Schema_Strict (includes, non-annotated) (ZIP archive)
    Schema_Annotated_Strict (includes, annotated) (ZIP archive)
JSON Schemas
    JSON Schema definition (json)(yaml)
    Open API definition (json)(yaml)