



Implementer & Integrator Guide

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uh...



What?

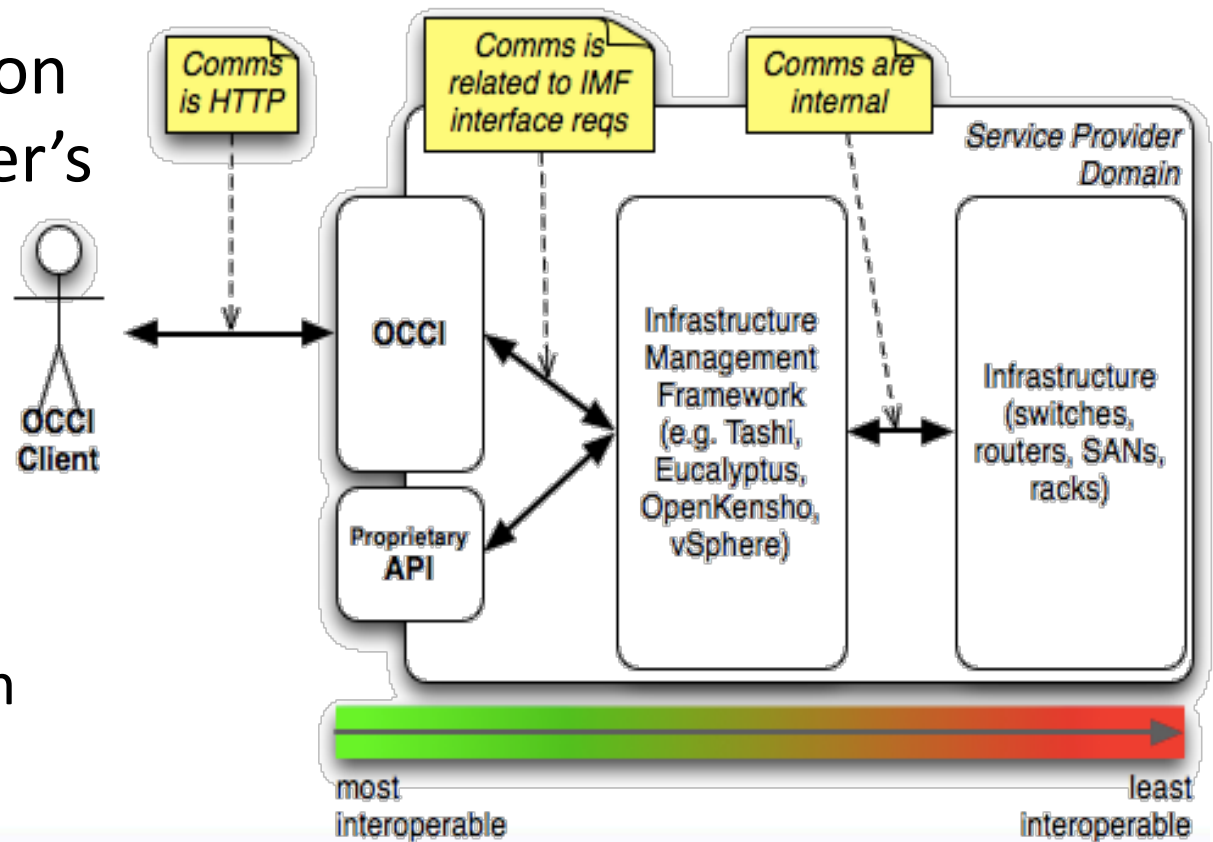
- A practical guide to implementing OCCl
 - Based on the experiences of implementing OCCl within SLA@SOI (sla-at-soi.eu)
- A means to validate the OCCl specification
- Aspects that are missing or unclear in the specification are noted (or at least we hope so!)
- A “living document”

mmm...

How?

- Explains where an OCCI implementation fits within a provider's stack

- Hint:
- It's at the client/provider boundary
- Proxies to the provisioning system



How?

- Present a ***simple use case***
Create, Retrieve, Update and Delete
- We use an OCCl compute kind
Equally applicable to other OCCl kinds
- **On-the-wire examples** are given to each (10) aspect of the use case
- All presented first as **synchronous** calls, and
 - A representative example using **asynchronous** calls is also presented

ahhh...



Example: Create Customised Compute Kind

Request:

```
POST /compute HTTP/1.1
Host: example.com
Authorization: Basic xxxxxxxxxxxxxxxxxxxx
User-Agent: occi-client/1.0 (linux) libcurl/7.19.4 OCCI/1.0
Category: compute; scheme="http://purl.org/occi/kind#";
label="Compute Resource"
Category: ubuntu-9.10; scheme="http://purl.org
/occi/category#template"; label="Ubuntu Linux 9.10"
occi.compute.cores: 2
occi.compute.memory: 2048
Accept: */*
```

Response:

```
HTTP/1.1 200 OK
Server: occi-server/1.0 (linux) OCCI/1.0
Date: Wed, 27 Jan 2010 17:26:40 GMT
Location: http://example.com/compute/node1
```



ooooo!



Surprises within...

- A suggested means to deal with **long-running asynchronous** methods/operations
- **State** changes
- *(Categories rock)*
- **Input and feedback** on these always appreciated!

Full examples of the CRUD use case
given using cURL (http on the
command line)



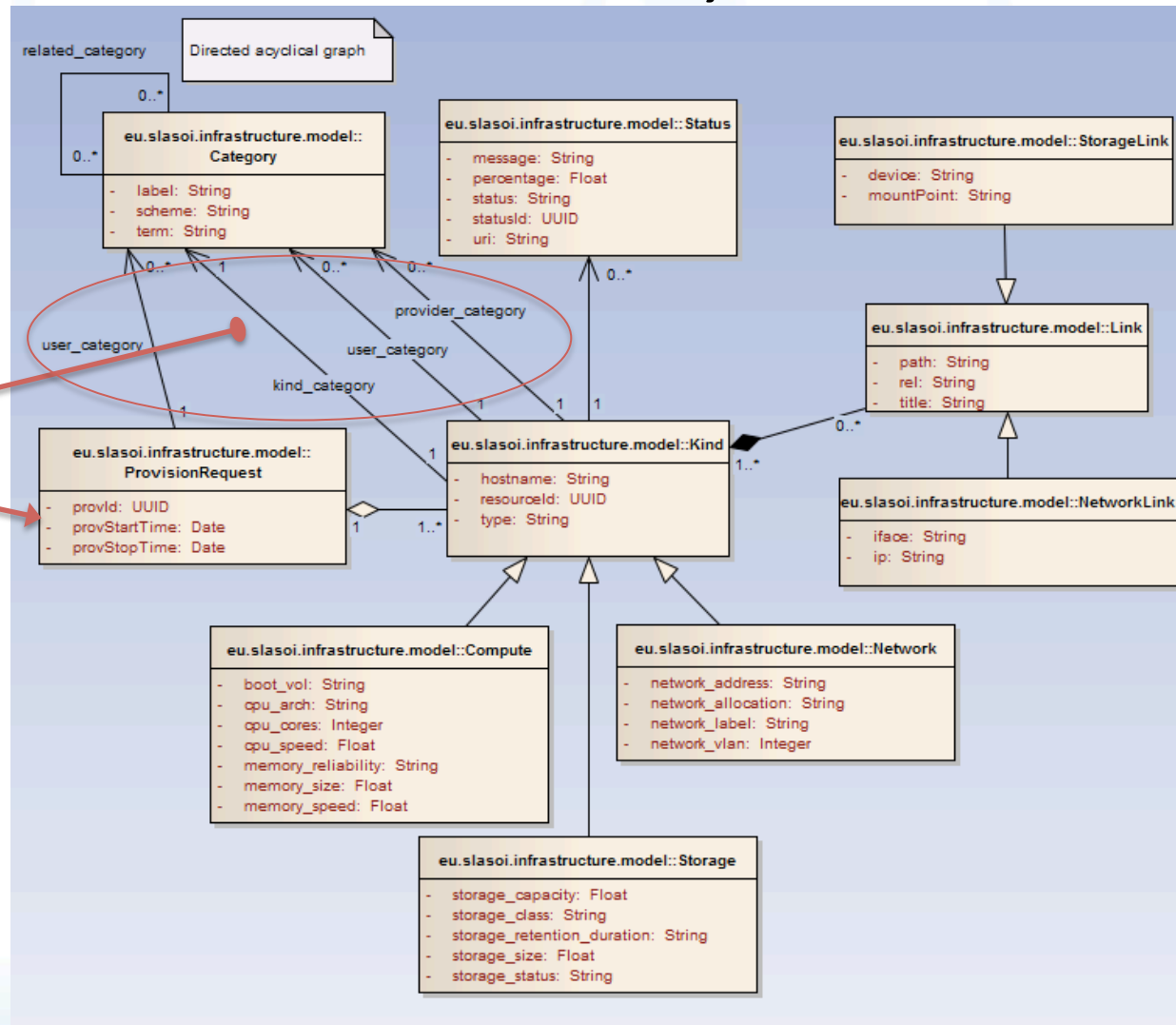
yay!

Where...

... can you check this out?

<http://bit.ly/occi-impl-guide>

OCCI Model, UML



Specific to SLA@SOI