

OCCI Honesty

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warning: may contain subliminal messages :-)

Intros

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TL;DR



- is a living specification.
- Implements OCI Principles
- *does* provide interoperability.
- is the second API, the API of interop insurance

but... What has OCCI achieved?

Implementations



Recommendations



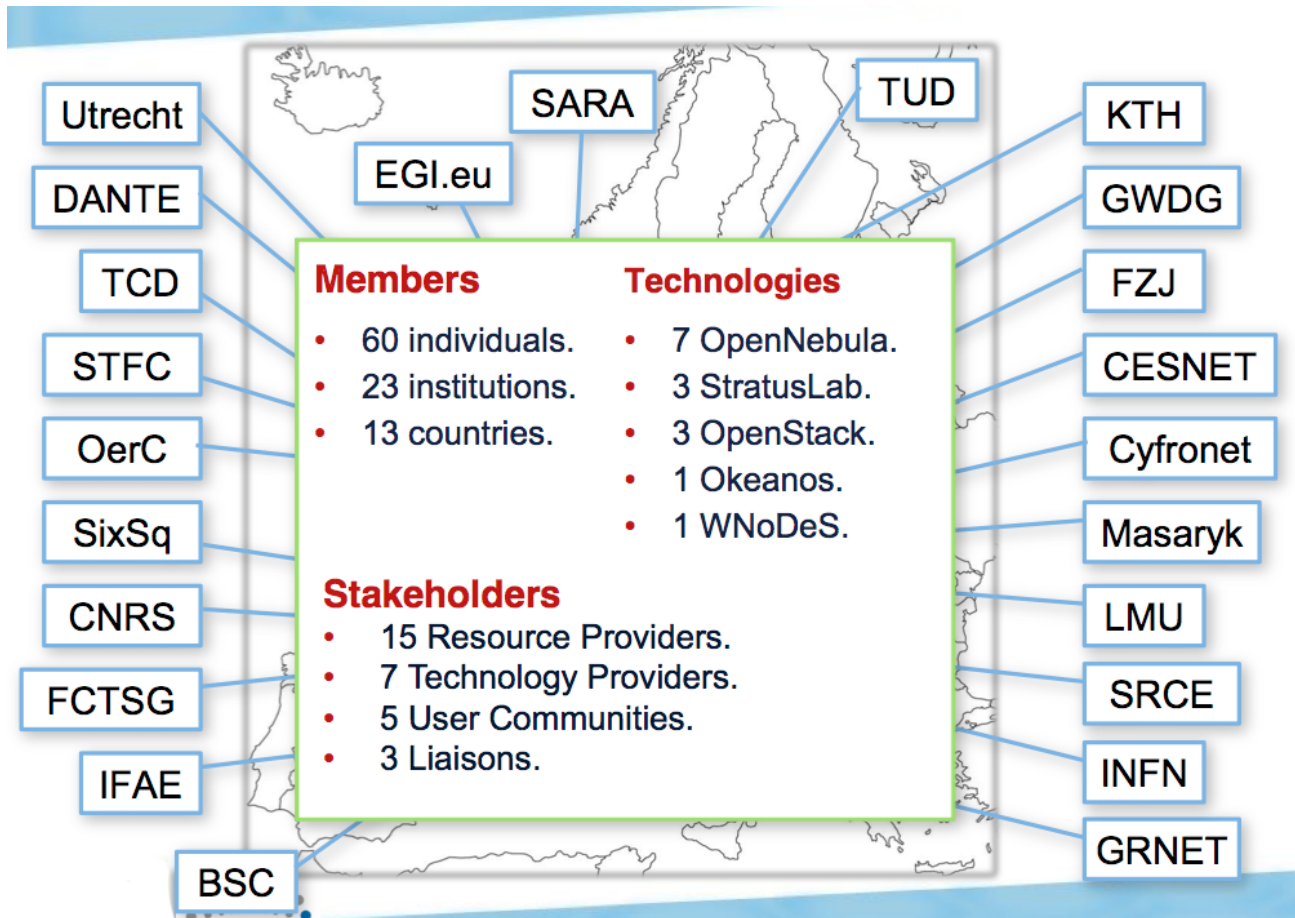


Occi

Use It!



but... What has OCCI achieved?



Interop Demonstrated!



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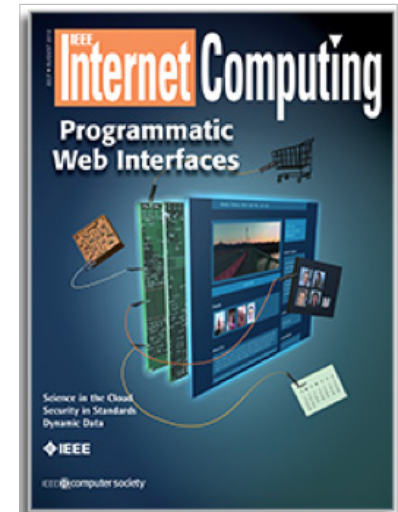
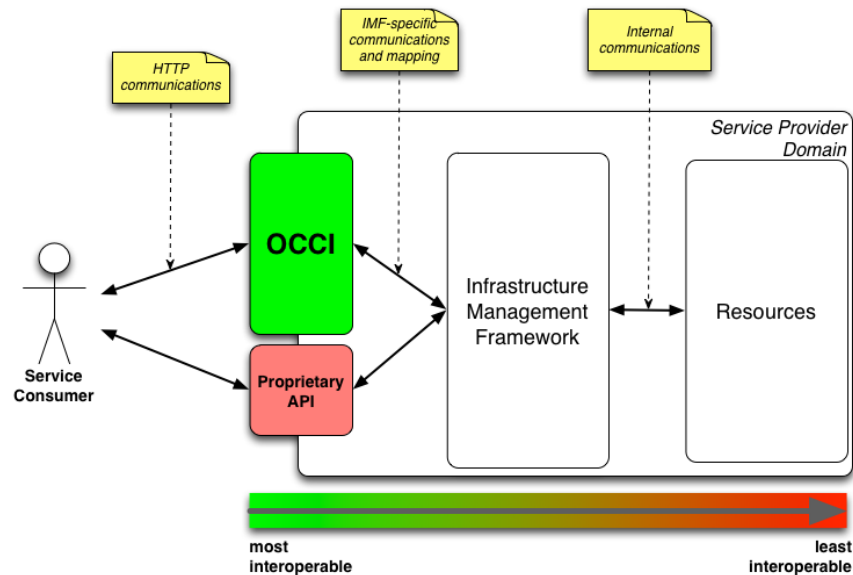
Use It!



but... What is OCCI?



"Protocol and API for Management Of Cloud Service Resources."



More?

bit.ly/ieee-occi

"It's just a CGI-script, init?"

... but What is OCCI?

Python

```
comp = client.create_vm(token, [  
    'tiny; scheme="http://schemas.openstack.org/template/resource#"',  
    'cirros; scheme="http://schemas.openstack.org/template/os#"]])
```

Ruby

```
cmpt = client.get_resource "compute"  
cmpt.mixins << client.find_mixin 'cirros', 'os_tpl'  
           << client.find_mixin 'tiny', 'resource_tpl'  
client.create cmpt
```

On-the-wire

```
> POST /compute/ HTTP/1.1#  
> User-Agent: occi-client/1.1 (linux) libcurl/7.19.4 OCCI/1.1  
> Host: localhost:8888  
> Accept: text/plain  
> Content-type: text/plain  
>  
> Category: compute; scheme="http://schemas.ogf.org/occi/infrastructure#"  
> Category: cirros; scheme="http://example.com/templates/os#"  
> Category: tiny; scheme="http://example.com/templates/compute#"
```



http



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but... Does it matter?

- It's a living specification
- Implements Open Cloud Initiative Principles
- Compliments does not Compete
 - With increasing adoption of OpenStack, its API rises to prominence
 - Specific to one implementation currently
 - Works with other specifications (CDMI, OVF)
- Participates in Cloud Plugfests
 - Yes, there are test suites!
- Momentum towards an open API
 - To address multiple backend IaaS solutions





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Use It!



but... What's the future?

open cloud?

open source?

open standards?

- Don't be satisfied with an open spec. that only has one implementation.
- **Honesty?**
 - OCCl may not be the initial way to get things done. It's the **second API**, the API of **interoperability insurance**.

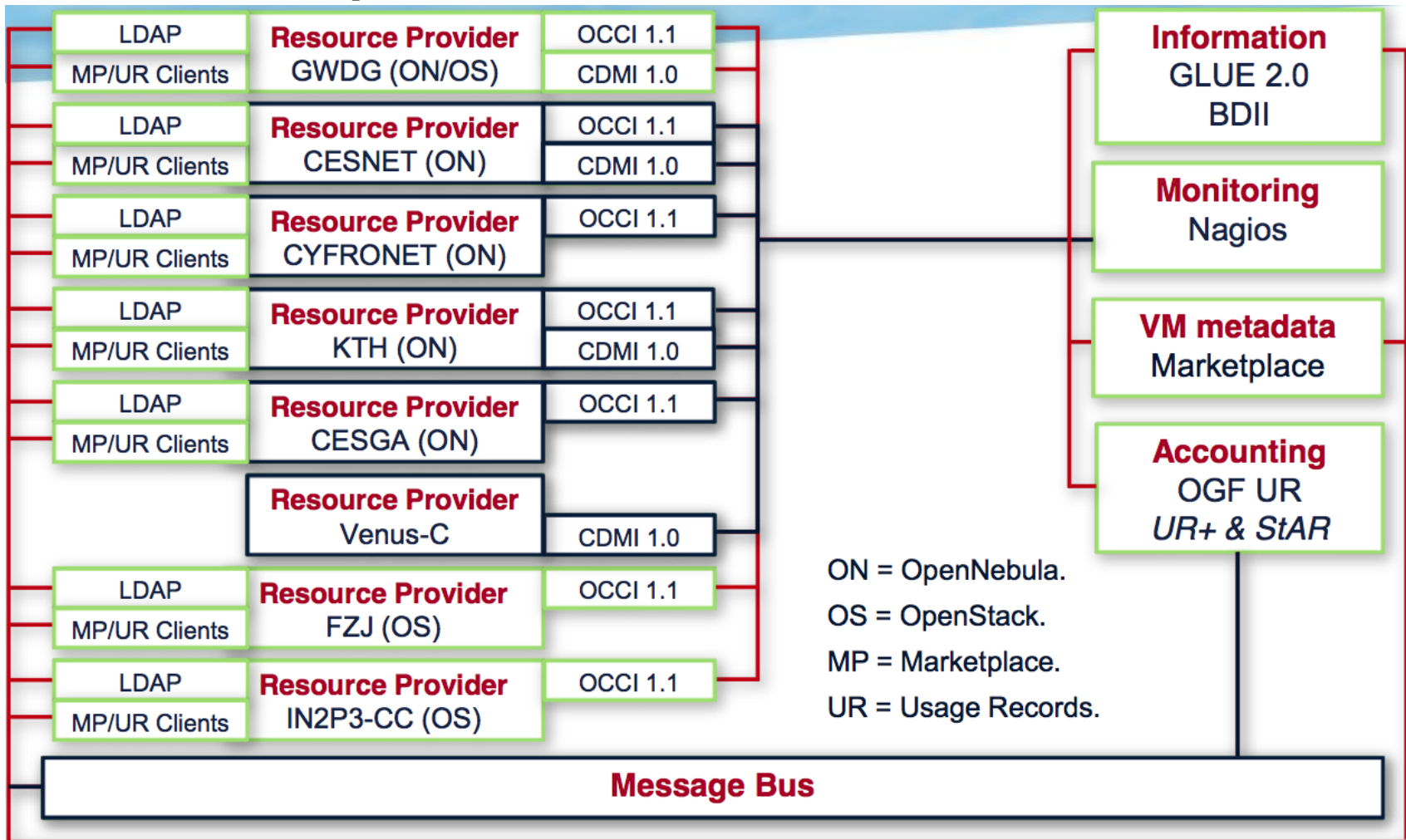
Thanks! Questions?



Use It!

Backups

EGI FC Implementation Details



Interop Implemented!