

OpenServiceCatalogManager

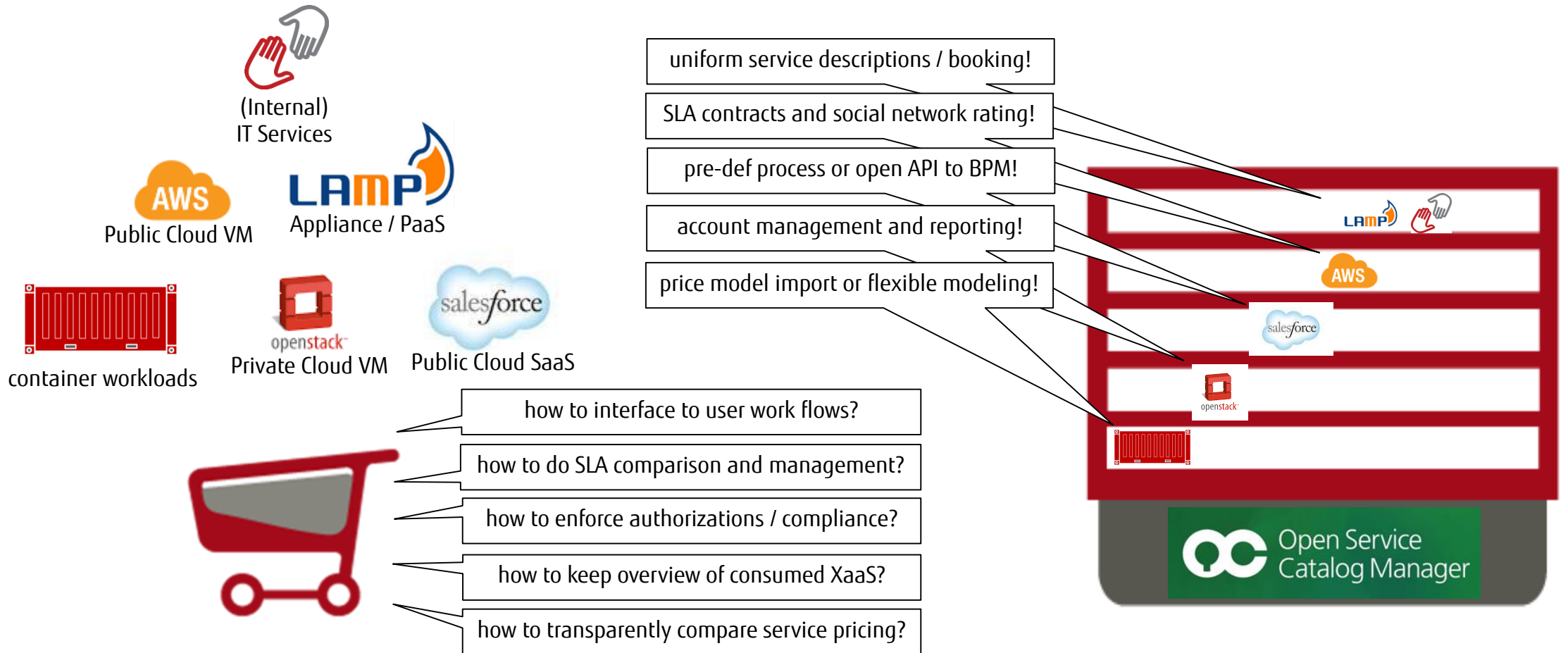
a Framework and Tooling for End-User Friendly
Management and Provisioning of Cloud (Native) Workloads

Wolfgang Ries, Fujitsu Enabling Software Technology GmbH, Munich

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- Application Management and the CNCF Charter
- How Does OpenServiceCatalogManager Contribute?
- Key Technical Concepts
- Typical Commercial Use Cases

OSCM – Management of Cloud (Native) Applications for Service Providers, IT Departments and End Users



OSCM gets you from „wild“ XaaS shopping cart ...

... to well-managed self-service check-out

... and how does this fit the CNCF Mission?

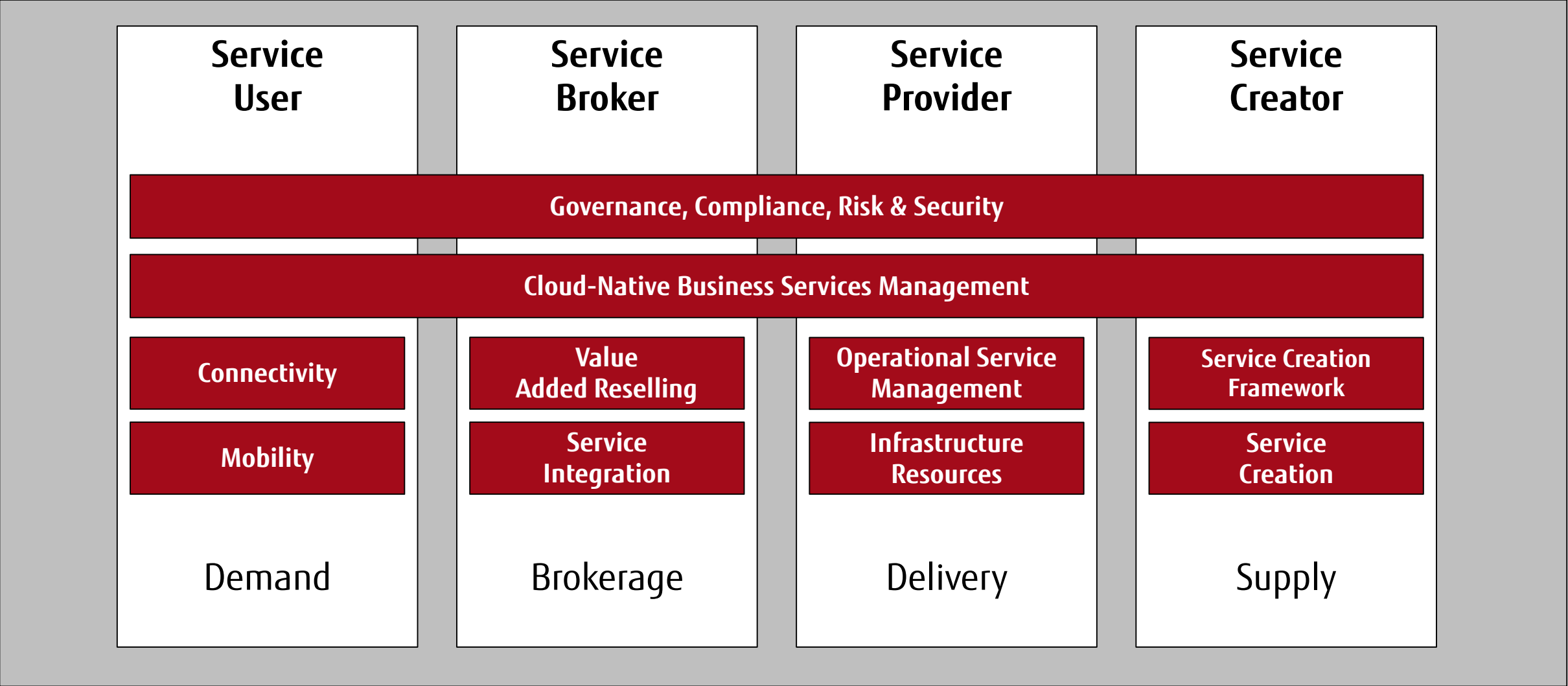
CNCF aims to create and drive the adoption of a new computing paradigm that is optimized for modern distributed systems environments capable of scaling to tens of thousands of self healing multi-tenant nodes.

Cloud native systems will have the following properties:

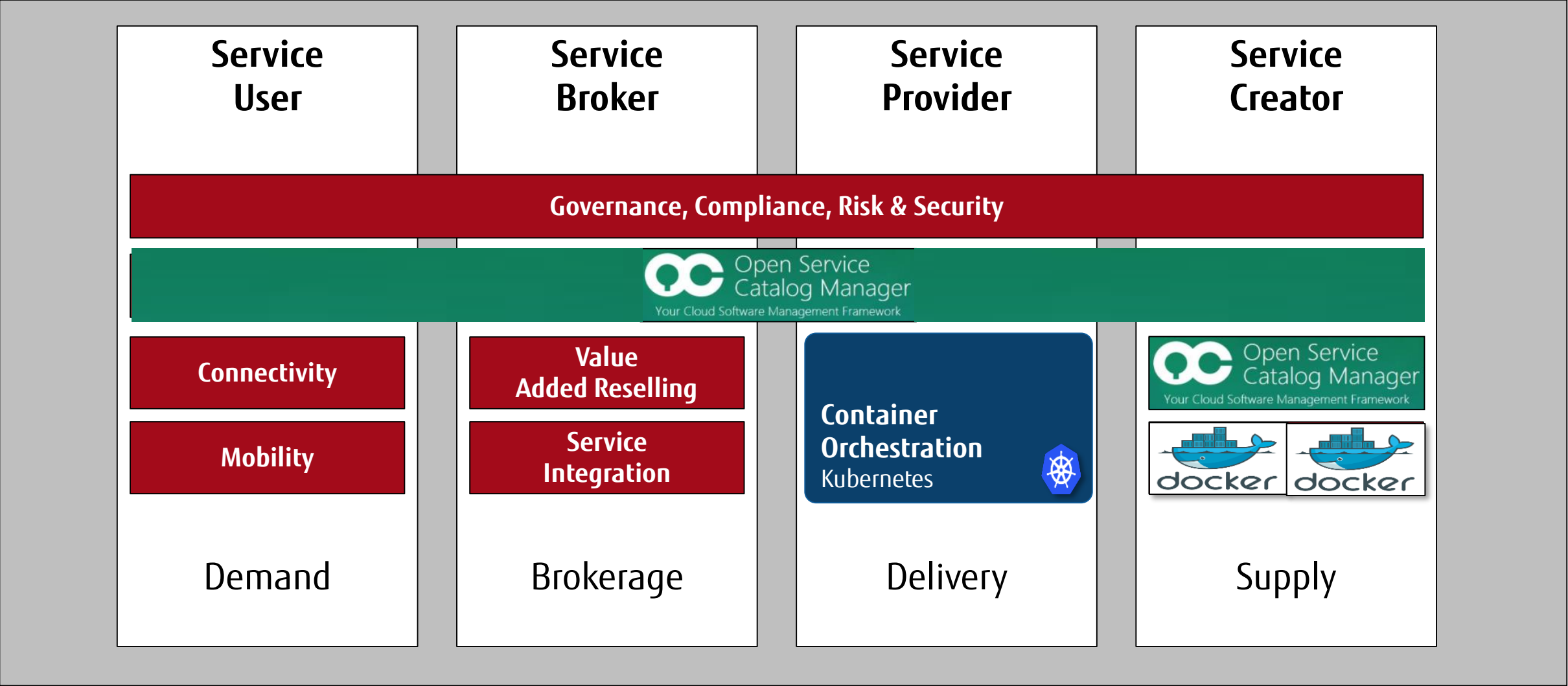
- (a) Container packaged. Running applications and processes in software containers as an isolated unit of application deployment, and as a mechanism to achieve high levels of resource isolation. Improves overall developer experience, fosters code and component reuse and simplify operations for cloud native applications.
- (b) Dynamically managed. Actively scheduled and actively managed by a central orchestrating process. Radically improve machine efficiency and resource utilization while reducing the cost associated with maintenance and operations.
- (c) Micro-services oriented. Loosely coupled with dependencies explicitly described (e.g. through service endpoints). Significantly increase the overall agility and maintainability of applications. The foundation will shape the evolution of the technology to **advance the state of the art for application management, and to make the technology ubiquitous and easily available through reliable interfaces.**

source: <https://cncf.io/governance>

Roles in Driving Adoption of Cloud-Native Services



Roles in Driving Adoption of Cloud-Native Services



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Project Home, Github, docker hub



Open Service Catalog Manager



Your Cloud Software Management Framework

www.OpenServiceCatalogManager.org

GitHub This repository Search Explore Features

servicecatalog / development

Code Issues 0 Pull requests 0 Pulse Graphs

Releases Tags

Latest release

2015-11
b4cb8d9

OSCM 2015-11
DawidCh released this 27 days ago



Explore Help

PUBLIC REPOSITORY

servicecatalog/oscm ☆

Last pushed: 2 months ago

Repo Info Tags


Short Description

OSCM enables turning on-premise software into Software as a Service for using it in the Cloud.

Full Description

Welcome to Open Service Catalog Manager!

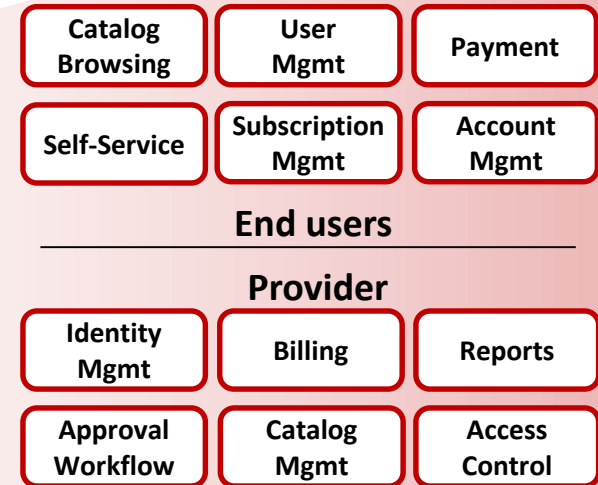
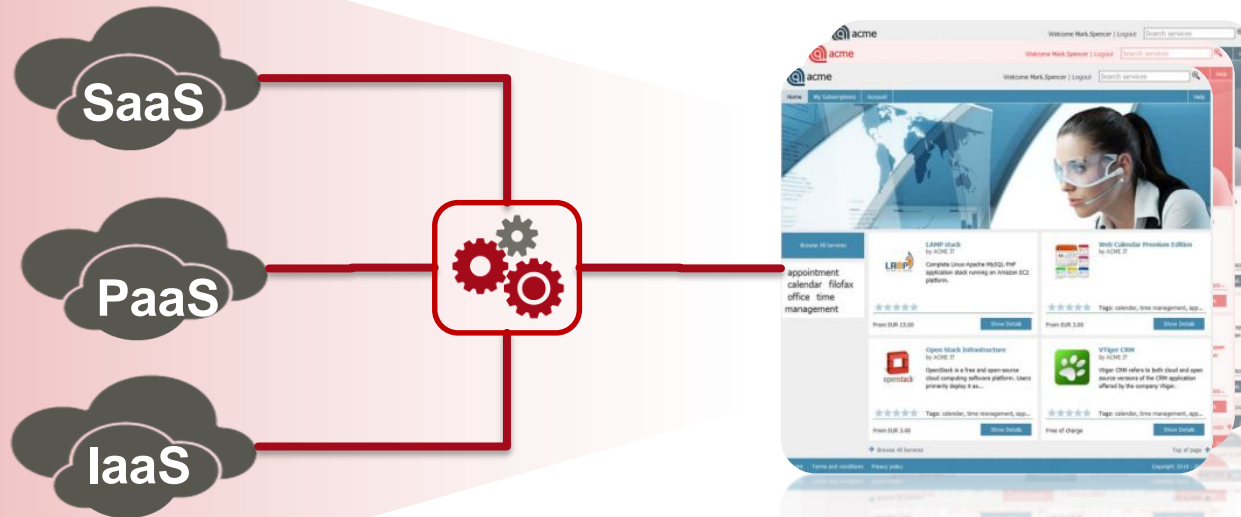
Open Service Catalog Manager (OSCM) is a set of services which provide all business-related functions and features required for turning on-premise software applications into Software as a Service (SaaS) offerings and using them in the Cloud. This includes ready-to-use account and subscription management, online service provisioning, billing and payment services, and reporting facilities. For quickly getting an idea of what OSCM is capable of, please watch the [videos](#). More details can be found in the [OSCM documentation](#).



Open Service Catalog Manager



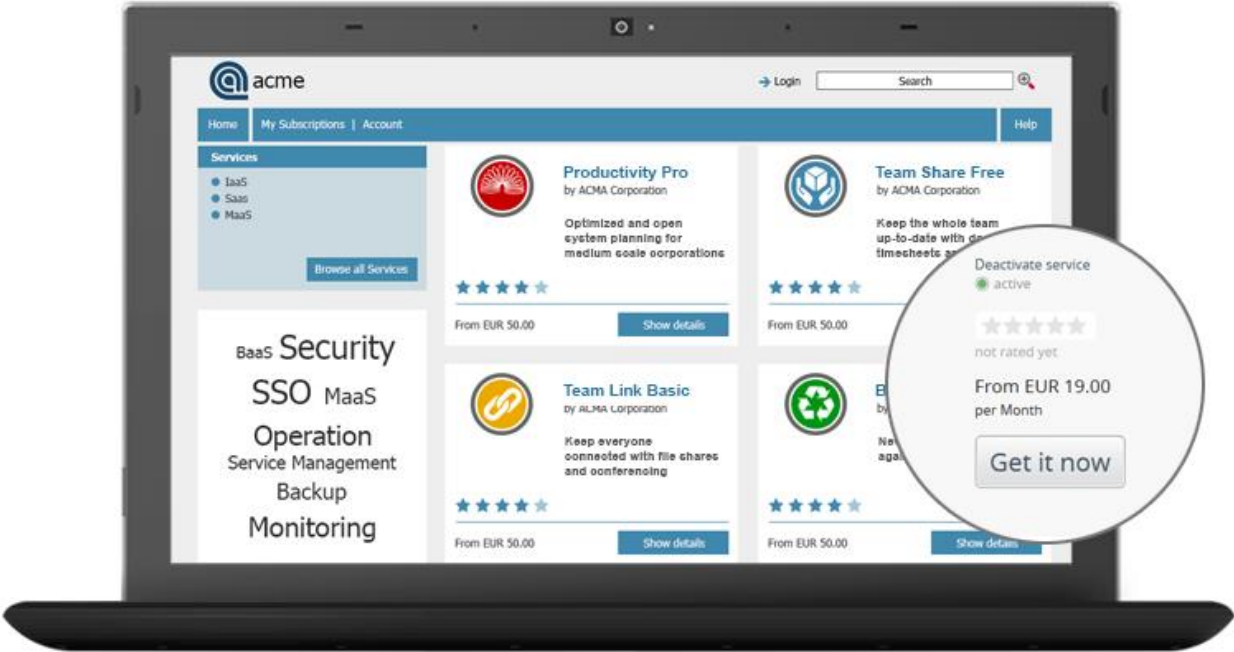
Hybrid Cloud Services



Target: Public or Private

Broad spectrum of use cases supported, from SaaS Marketplace to Enterprise (IaaS) Store for **CIOs**, **Service Providers** and **End Users**

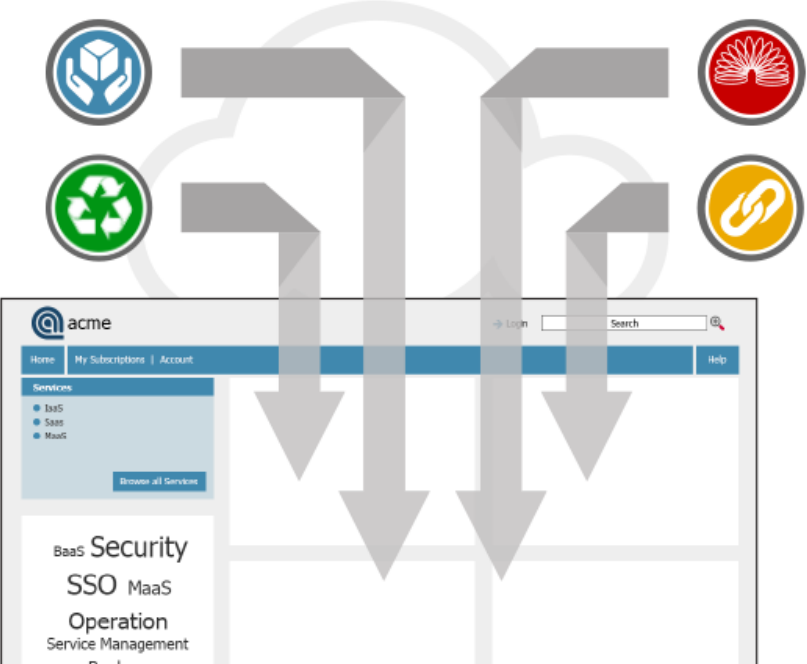
OSCM Benefits – for Users



Enables end users to
Obtain and launch
Cloud resources and applications
With one click
In self-service mode



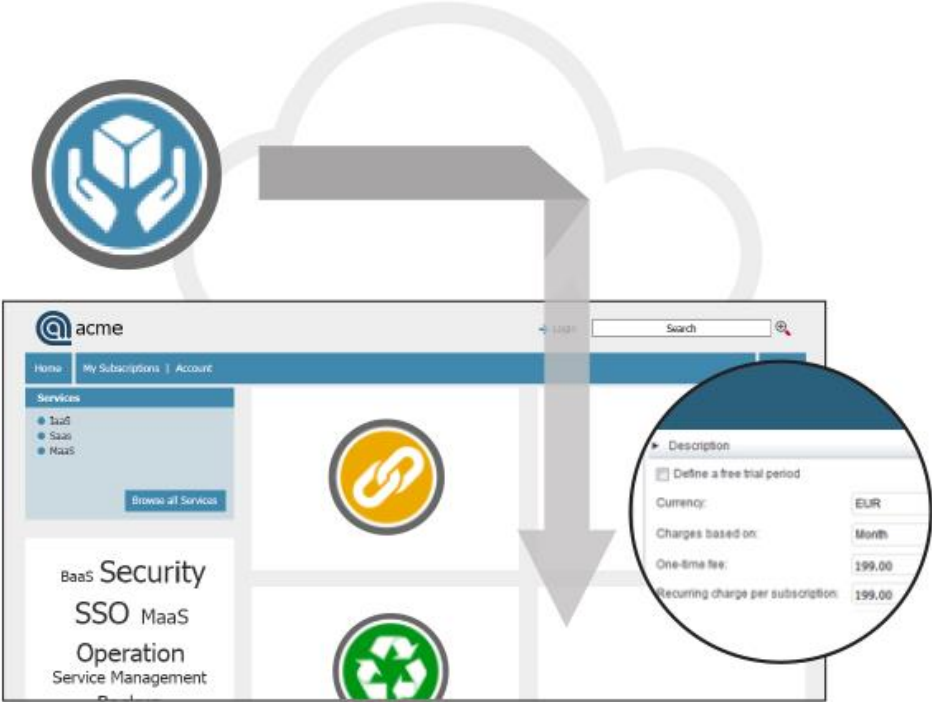
OSCM Benefits – for Corporations



Enables CIOs to
Set up and manage
Business-friendly catalogs of
Cloud services of any type
(IaaS, PaaS, SaaS, container services)



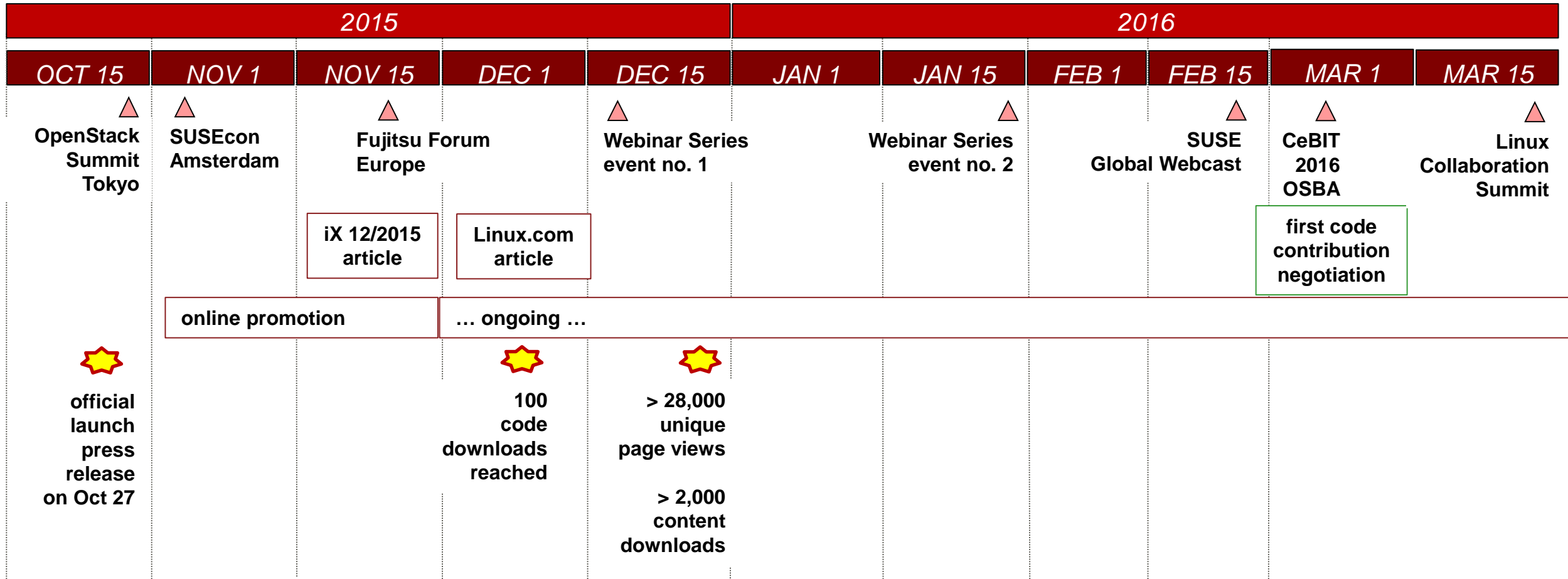
OSCM Benefits – for Service Providers



Enables service providers to
Quickly define new cloud services
With flexible pricing plans
In order to easily adapt to
New market demands

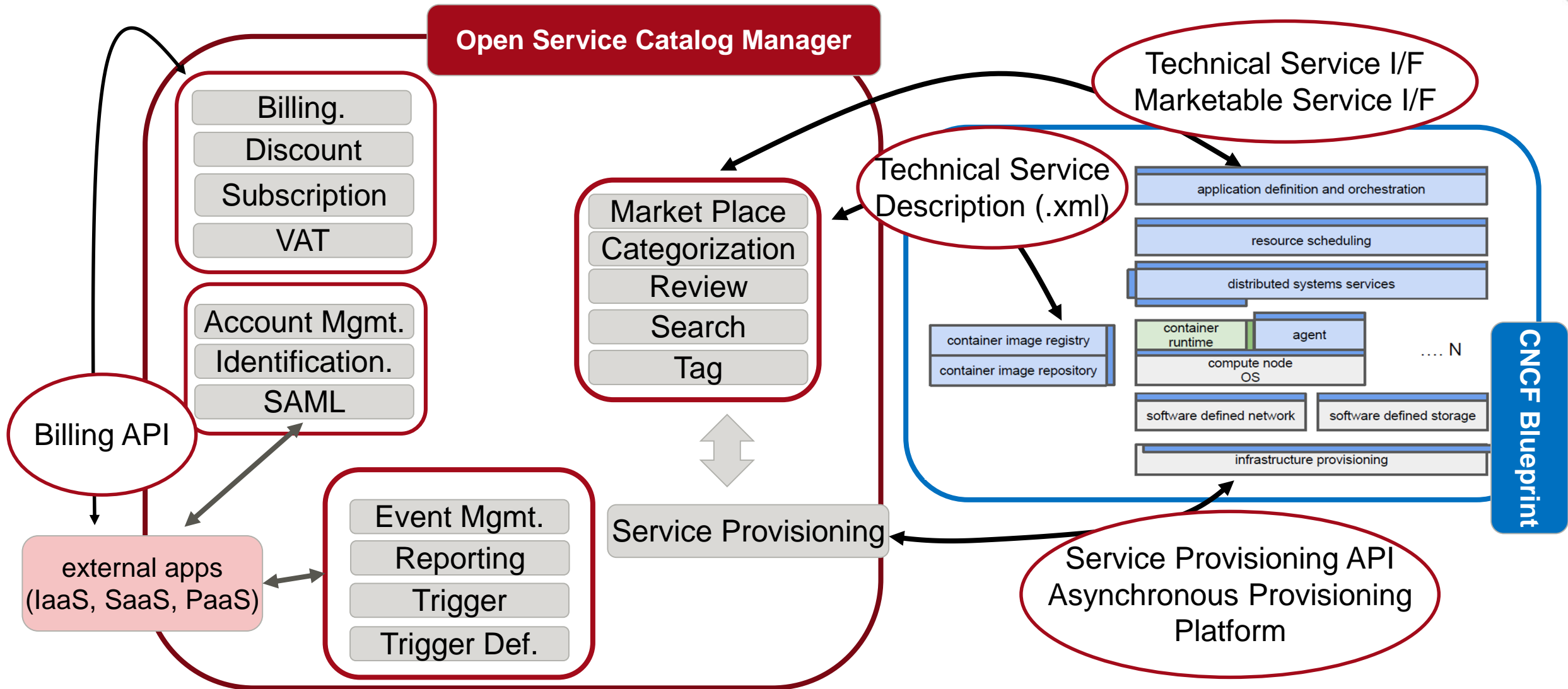


Announcement and Promotion Time Line

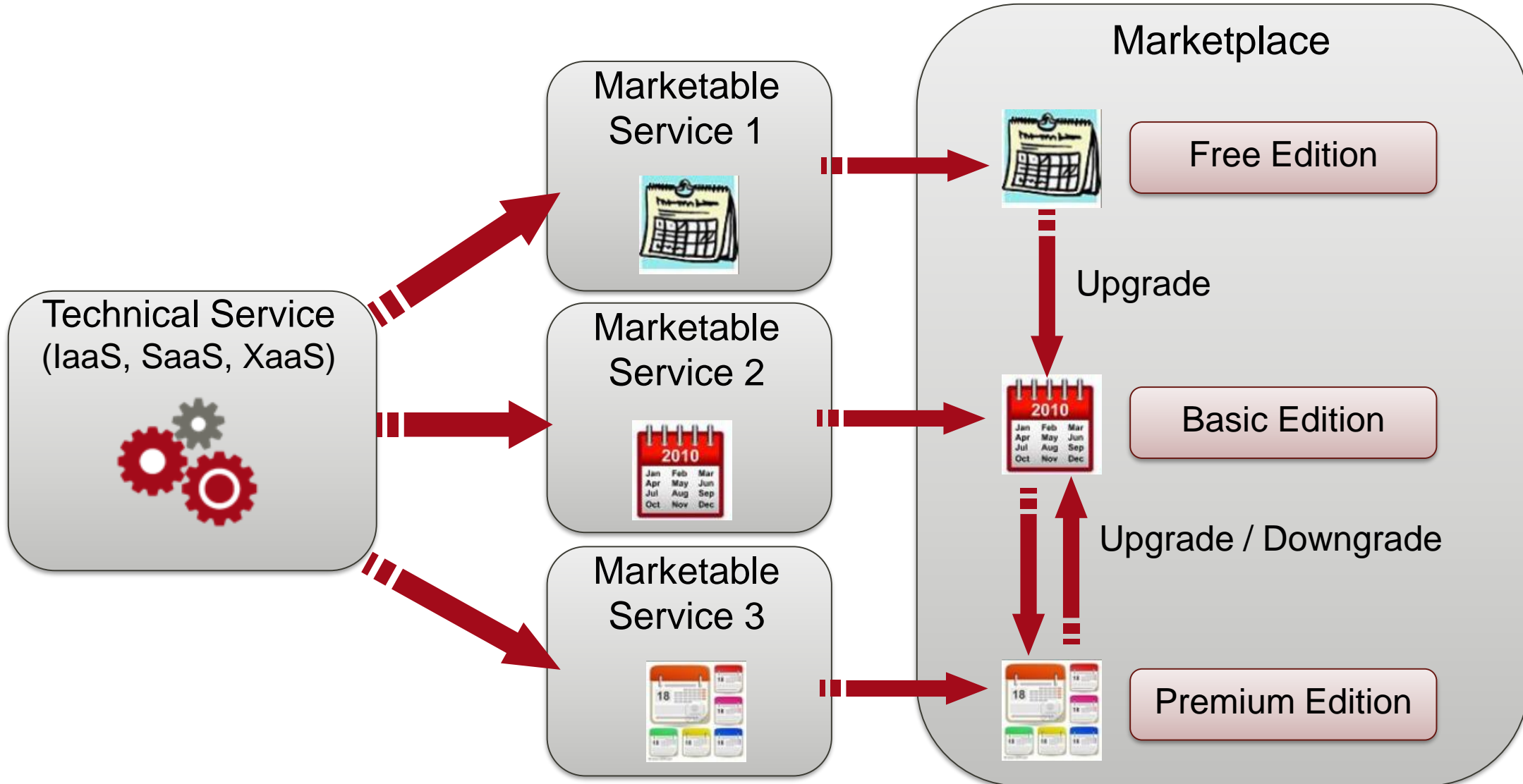


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Interfaces from OSCM to CNCF



Optimize Usage with Marketable Services



Import via Technical Service Description

- a technical service connects the application with the OSCM SaaS platform
- the technical service XML file contains the relevant connection parameters
- a service definition must conform to the `TechnicalServices.xsd` XML schema:
 - `TechnicalService` section: Description of service purpose and license agreement
 - `ParameterDefinition` section: application parameters and options
 - `Event` section: supported events
 - `Role` section: service roles
 - `Operation` Section: external operations available for this service

Deployment with Standardized Provisioning API^{*)}

Subscribe to a service based on a synchronous instance provisioning

- `createInstance(InstanceRequest)`
- `sendPing(String)`

Subscribe to a service based on an asynchronous instance provisioning

- `asyncCreateInstance(InstanceRequest)`
- `sendPing(String)`
completed by:
 - `completeAsyncSubscription()` or `abortAsyncSubscription()`

Update existing subscription parameter

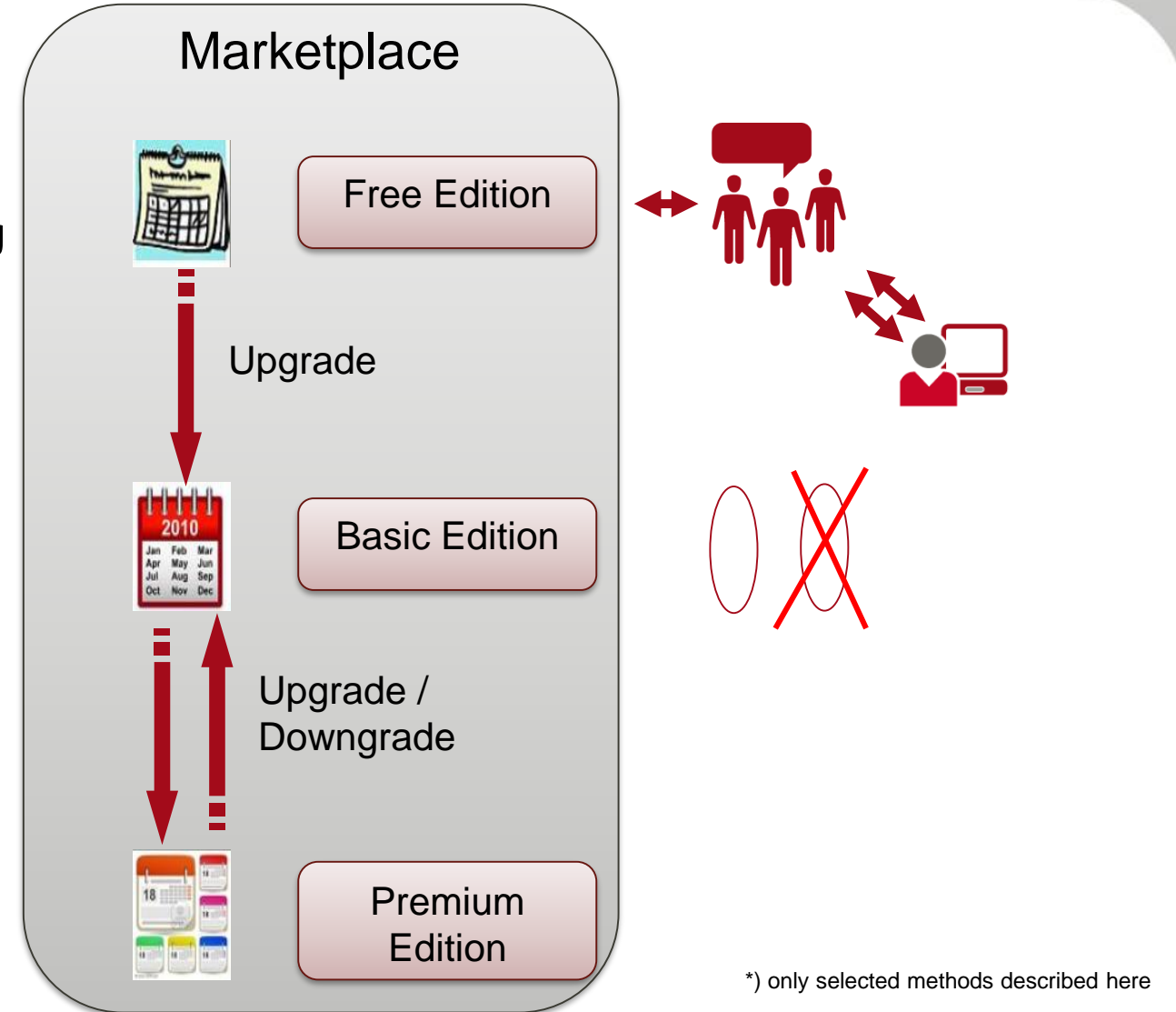
- `modifyParameterSet(String, List<ServiceParameter>)`

Create or update existing user parameter

- `createUsers(String, List<User>)`
- `deleteUsers(String, List<User>)`
- `updateUsers(String, List<User>)`

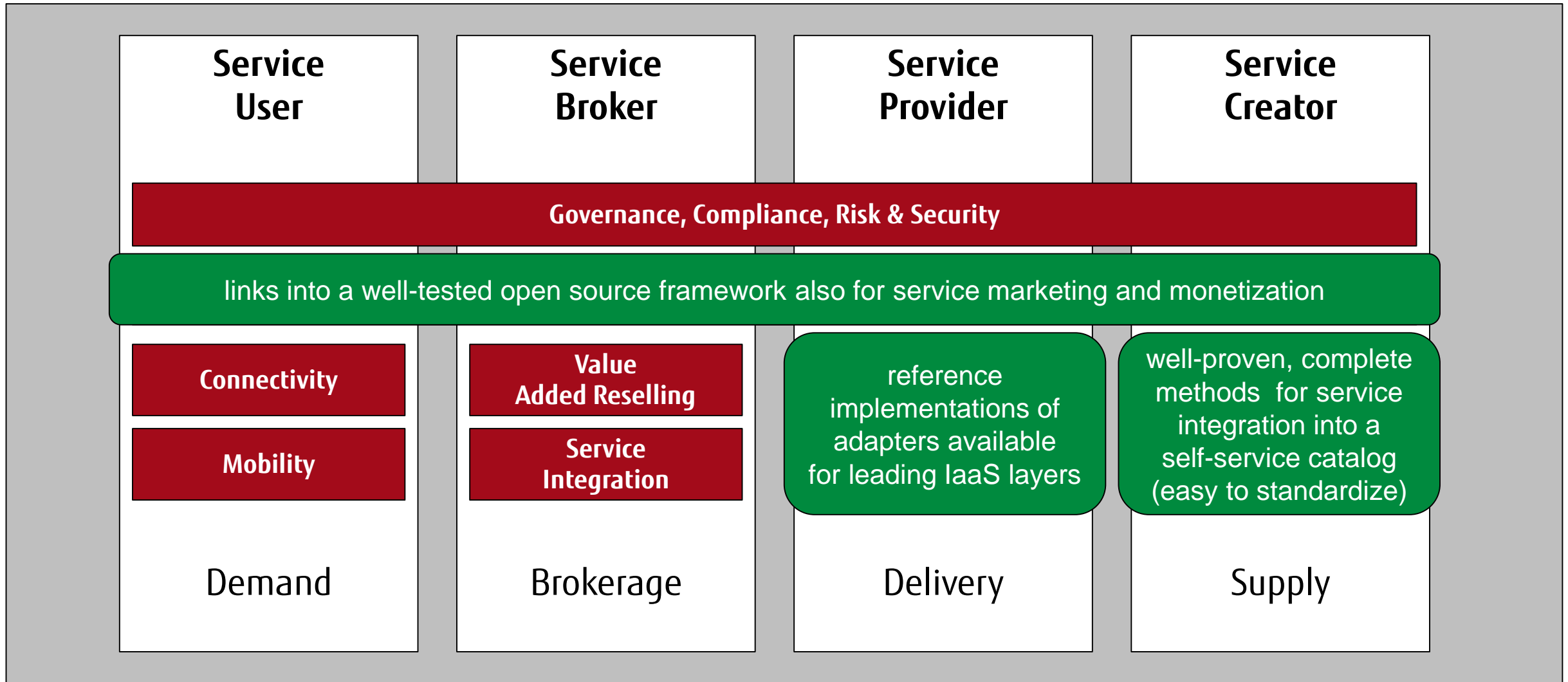
Terminate subscription

- `deleteInstance(String)`



^{*)} only selected methods described here

So what is the Benefit of OSCM Service Model and API?



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Biometric Security (US / commercial / live)

Fujitsu S5-based Application Server Landscape

Challenges

- Manage complete PaaS environments for Customer PoCs (several deployments per day)
- Booking / scale in and scale out initiated by user
- Prepare complete system within hours

Solution

- OSCM-based Enterprise Store, installed on Fujitsu S5 IaaS
- Integrated Fujitsu S5 API for virtual server provisioning and firewall setup
- Integrated configuration tool for application server setup
- Integrated manual work steps

The screenshot shows the Fujitsu Cloud Portal interface. At the top, there are logos for Fujitsu and iWS, along with the text 'Cloud Portal'. A search bar contains the text 'Services durchsuchen' and a magnifying glass icon. Below the search bar, there are links for 'Startseite' and 'Hilfe'. The main heading is 'FUJITSU Biometrics-as-a-Service Marketplace' with the subtitle 'Public S5 Cloud Subscription Services'. On the left, there is a navigation menu with 'Alle Services anzeigen' and categories: 'Financial', 'Healthcare', 'Mobile', and 'Retail'. The main content area displays four service cards, each with a GoCloudID logo, a title, a provider name 'von ImageWare Systems Inc.', a description, and a 'Details anzeigen' button. The price for each service is 'Kostenlos'.

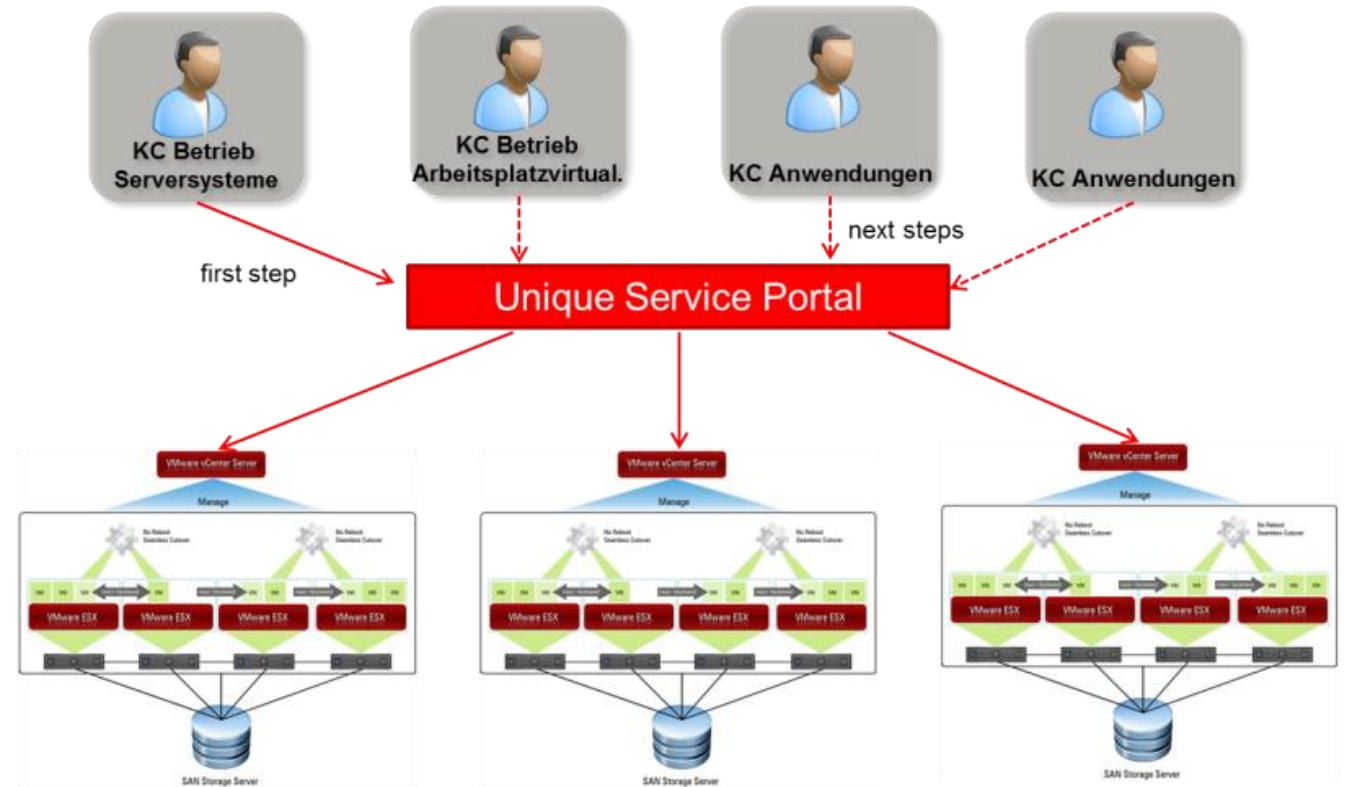
Vmware based Server Services

Challenges

- Need to manage various distributed and independent VMware islands
- Lack of standardization
- Need to have short-term delivery and self-service

Solution

- OSCM-based Enterprise Store, on-premise installation
- Integrated multiple distributed VMware ESX clusters
- Extensions for automated customer-compliant server name generation, IP address pooling, existing VM import, MS AD login, MS AD domain handling, approval



Hamburg, Münster, Düsseldorf, Leipzig, ...

Come and see for yourself – or talk to us ...


A green rectangular banner with white text and a QR code. On the left is a white logo consisting of two interlocking circles. To the right of the logo, the text "Open Service Catalog Manager" is written in a white, sans-serif font. Below this, the text "Your Cloud Software Management Framework" is written in a smaller white font. To the right of the text is a square QR code.

Open Service
Catalog Manager

Your Cloud Software Management Framework

www.OpenServiceCatalogManager.org

wolfgang.ries@est.fujitsu.com



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shaping tomorrow with you