

IBM SolutionsConnect 2013

Turning Opportunity into Outcomes.



Building a cloud solution

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Agenda

- Introductie SLTN
- Waar staan de meeste klanten m.b.t hun ontwikkeling
- Soorten cloud oplossingen
- Type workloads
- Voor welke oplossing heeft SLTN gekozen
- Toelichting VMware oplossing
- Toelichting IBM Smartcloud
- Vragen en antwoorden

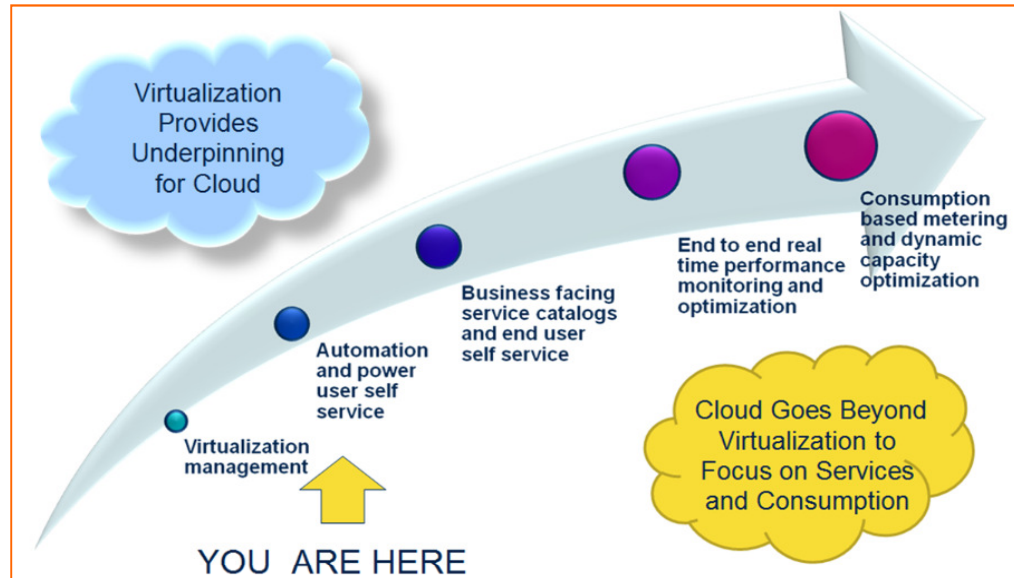


About SLTN

- IBM premium business partner, founded in 1997
- Located in Almere, The Netherlands
- Started with AIX, pSeries and IBM storage
- Big focus on virtualization (LPAR/VMware) since 2003
- Added Microsoft, Red Hat, Symantec and Citrix to our portfolio (2005)
- Started with managed services in 2006
- Became a multivendor company in 2008 with a clear focus on virtualization (server & desktop)
- Clear focus on Cloud computing and built our Cloud solution in early 2012

SLTN Cloud Services built on:

- IBM xSeries / IBM BladeCenters
- Cisco Nexus / 3750 switches and ASA firewalls
- IBM XIV storage / DS5000 storage (Fibre-channel)
- VMware vSphere / vCloud directory
 - For legacy applications and typical VMware customers requiring a hybrid cloud solution
- Red Hat Enterprise Linux / KVM
- IBM SmartCloud Provisioning
 - For new workloads, revolution business models with a focus on the Linux operation system or Citrix desktop workloads (XENapp / XENdesktop)



VISIBILITY

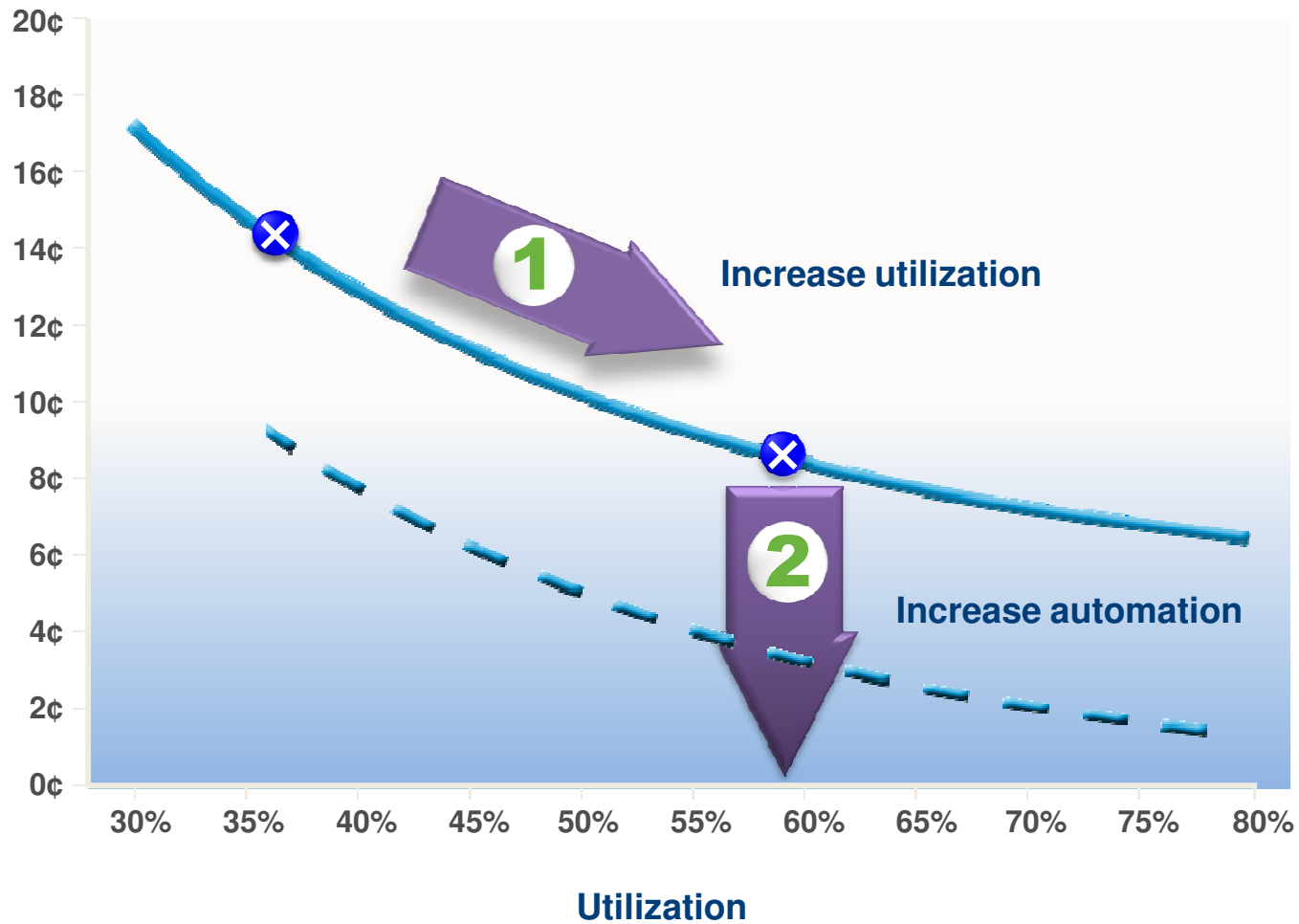


CONTROL



AUTOMATION

Cost per VM hour



Type of cloud solutions



IaaS
Infrastructure-as-a-Service

host



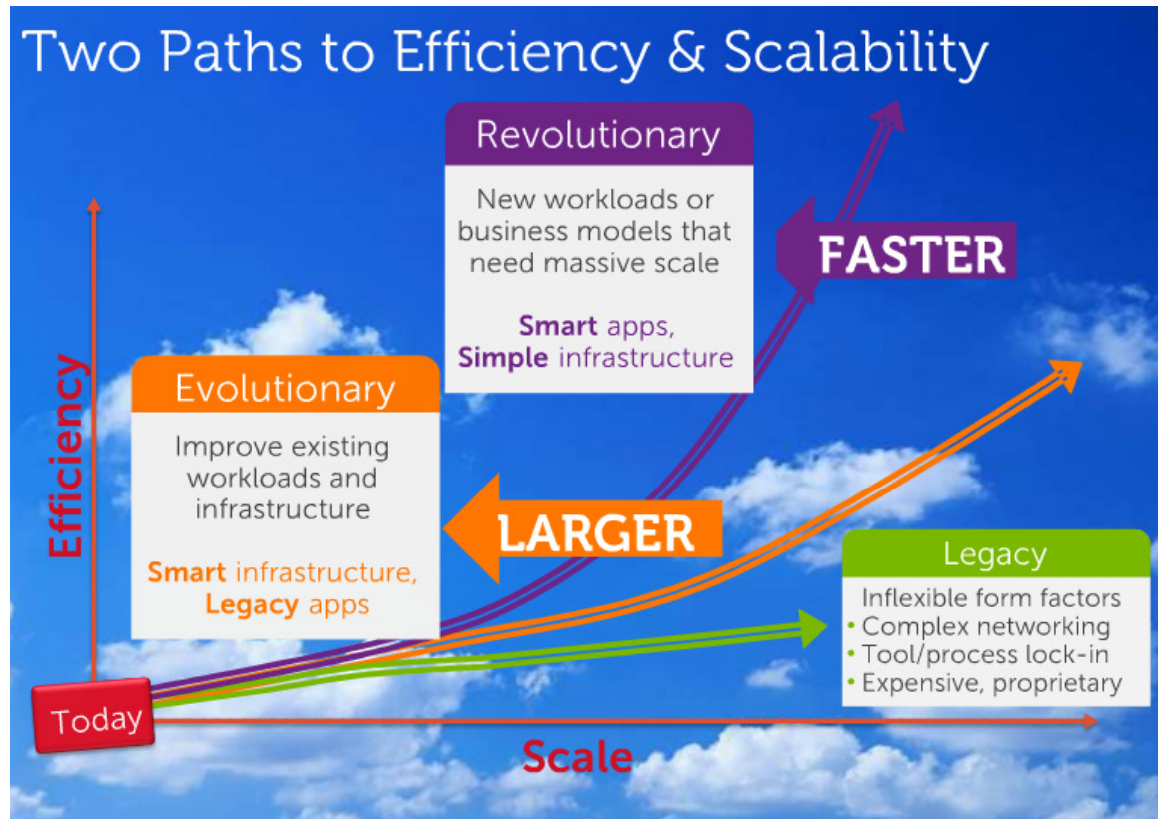
PaaS
Platform-as-a-Service

build

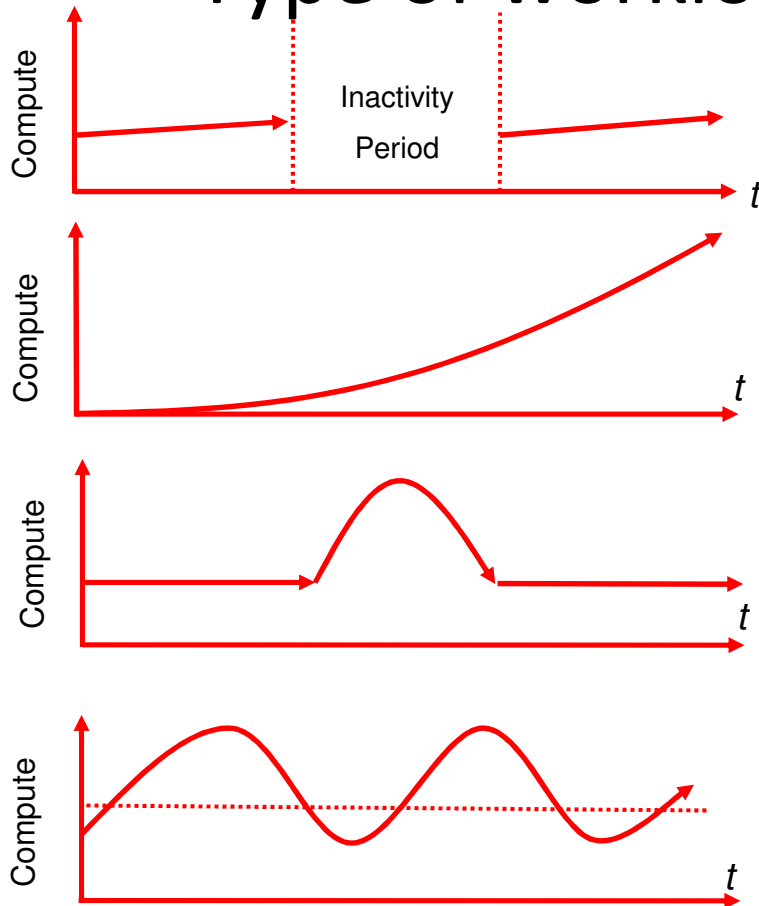


SaaS
Software-as-a-Service

consume



Type of workload



On & off workloads (e.g. batch job)
 Over provisioned capacity is wasted
 Time to market can be cumbersome

Growing Fast

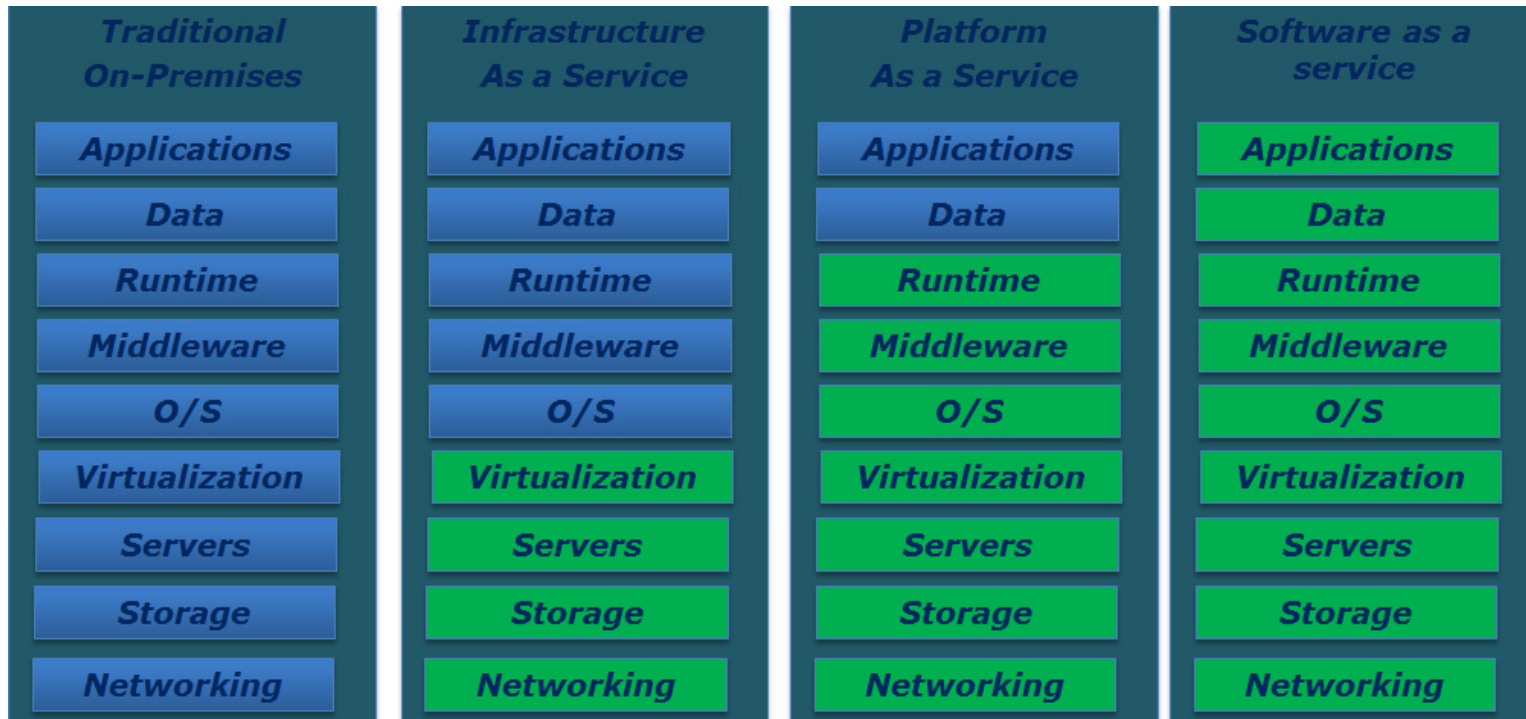
Successful services needs to grow/scale
 Keeping up w/ growth is big IT challenge
 Cannot provision hardware fast enough

Unexpected/unplanned peak in demand
 Sudden spike impacts performance
 Can't over provision for extreme cases

Predictable Bursting

Services with micro seasonality trends
 Peaks due to periodic increased demand
 IT complexity and wasted capacity





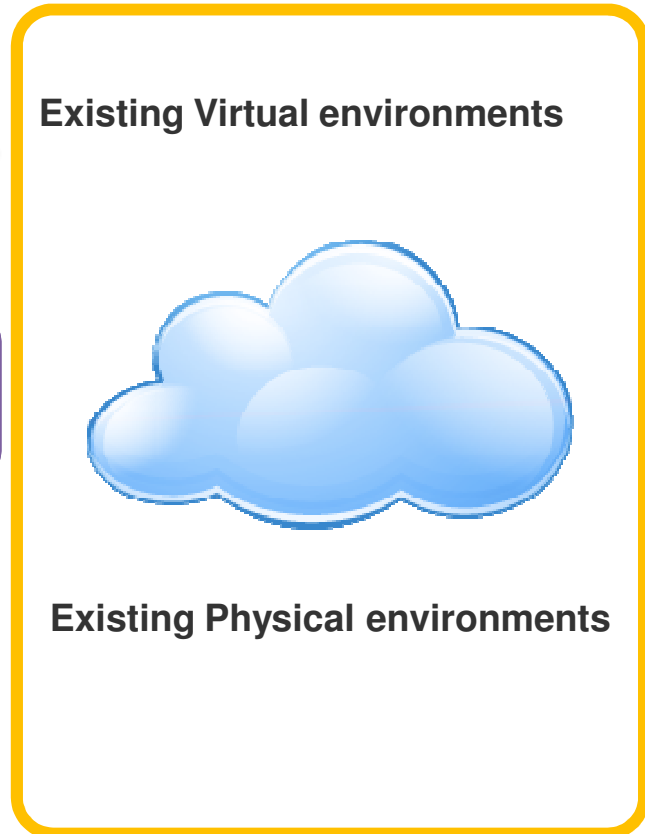
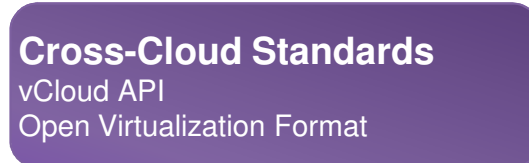
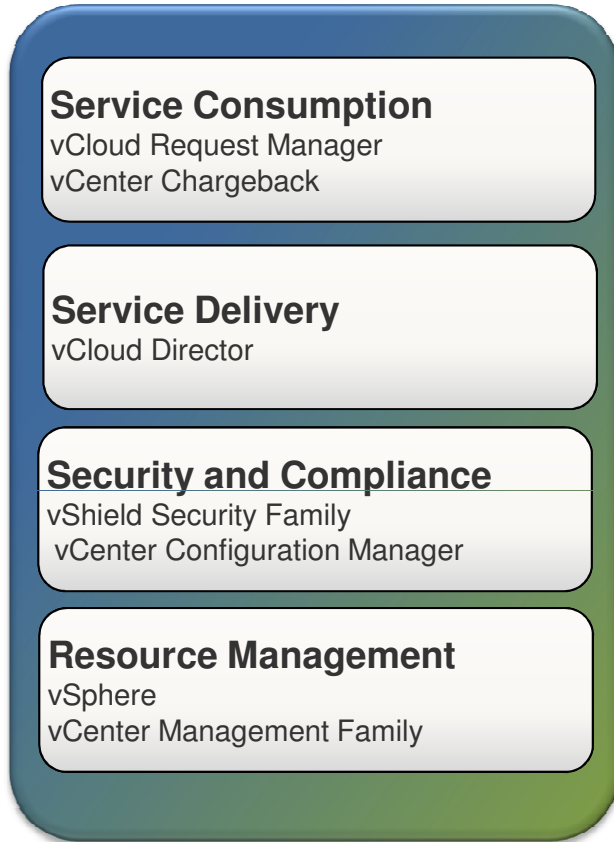
OPEX saving, faster time for value



The solutions



Private Cloud





The evolution of cloud strategies

No matter where you are in your cloud journey, IBM has capabilities to help you achieve your business goals

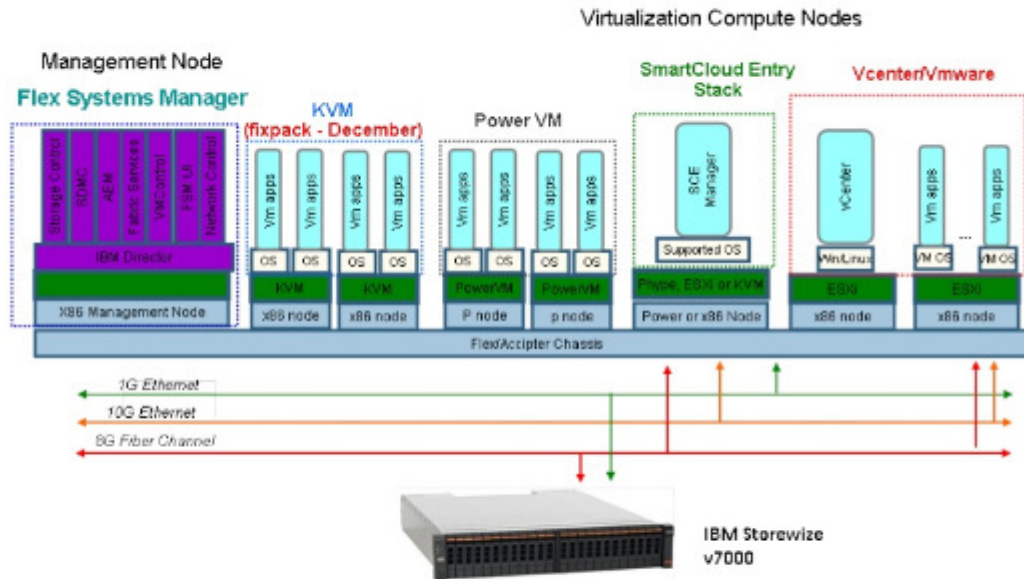


IBMSmartCloud Entry 2.4

Heterogeneous and Multi-Cloud Support



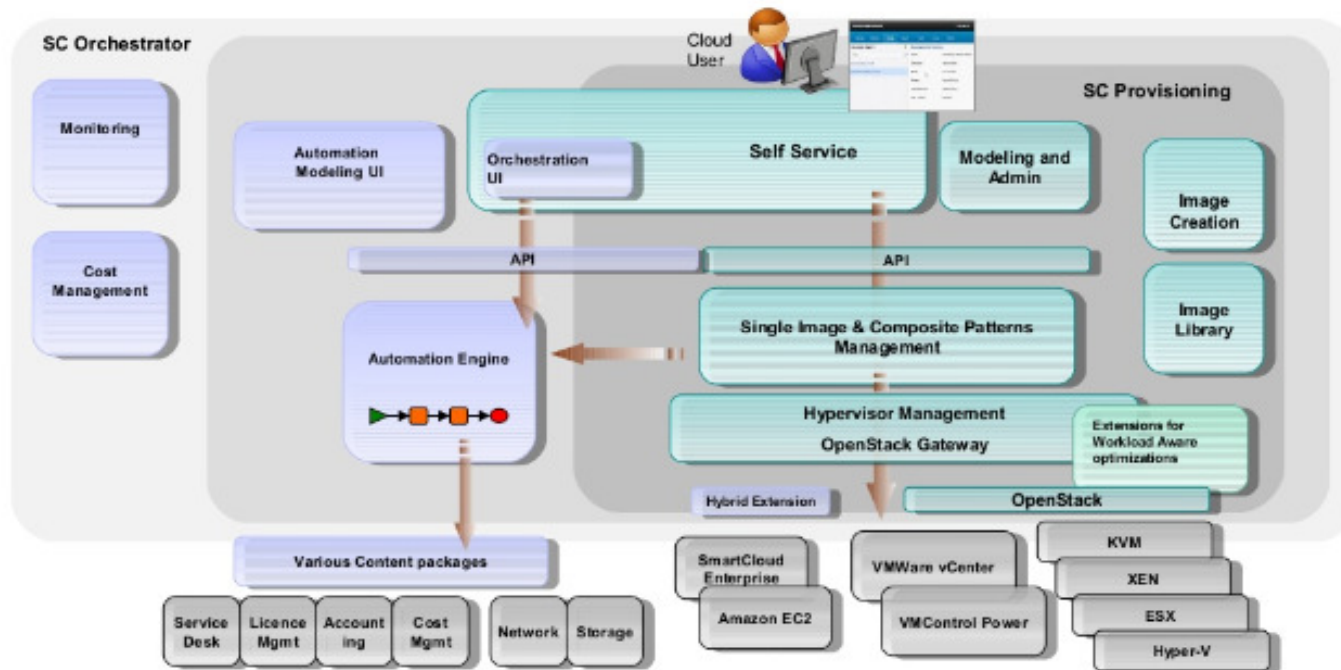
PureFlex



Built-in expertise ■ Integration by design ■ Simplified experience




High level architecture SmartCloud Orchestration and Provisioning



IBM SmartCloud Provisioning SCP HSLT Administrator | Help | About | Logout




Welcome | Instances | Catalog | Reports | Cloud | System


IBM SmartCloud Provisioning



- Download IBM Workload Plugin Development Kit
- Download command line tool

Setting up your private cloud

 <p>Step 1: Setup users Create user accounts. You can also create user groups. Create users Create user groups</p>	 <p>Step 2: Set up the cloud Create the cloud by identifying IP groups and collections of hypervisors called cloud groups. Add IP groups Add cloud groups</p>	 <p>Step 3: Add virtual images Provide new virtual images to the catalog by uploading files or extending pre-built images. Add virtual images Add script packages</p>
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Working with virtual systems 

Navigation: Welcome | Instances | **Catalog** | Reports | Cloud | System

Virtual System Patterns

Search...

- Axxius
- Cognos_emo_win64
- Redhat production
- Redhat-Windows**
- Webserver
- demo
- demo2
- websphere

Redhat-Windows

Access granted to: SCP HSLT Administrator (scadmin) [owner]
Add more...

Topology for this pattern:
Deploys to high scale low touch hypervisor managers

Comments: There are no comments yet

[Welcome](#) | **[Instances](#)** | [Catalog](#) | [Reports](#) | [Cloud](#) | [System](#)

Virtual System Instances

Search... ↑↓

- Axxius_svr1 ▶
- Peter ▶
- VM-persistent ▶
- axxius_demo** ▶
- axxius_demo2 ▶
- axxius_demo3 ▶
- demo ▶

axxius_demo 🔗 ▶ ◻ ⌵ ⌵ ⌵ ⌵ ⌵ ⌵ ✖

Provenance: Pattern

Provenance name: Axxius

Using Environment profile: AXXIUS

Current status: ▶ The virtual system has been deployed and is ready to use

Updated on: May 19, 2013 12:27:00 AM GMT+02:00

Access granted to: SCP HSLT Administrator (scadmin) [owner]

Snapshot: Snapshots are not currently supported by the high scale low touch hypervisor manager

+ History The virtual system has been deployed and is ready to use

- Virtual machines **1 total - 1 started**

Name	CPU	Memory	SSH	Actions	<input type="checkbox"/> Group Actions
+ ▶ I-13052-97817-u58916	<input type="text" value=""/>	<input type="text" value=""/>	Login	View	<input type="checkbox"/>



SLTN's ICT oplossingen



Beschikbaarheid – Continuïteit - Schaalbaar

