

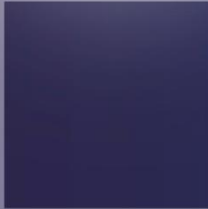


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COMMUNITY



Automate your Multicloud Services with HPE

January 26, 2017



Brought to you by

Vivit Cloud & Automation SIG

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Hosted By:



Oliver Höhne
IT-Consultant
profi.com
Cloud & Automation SIG Leader

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Today's Speaker



Ryan Skipp

Co-Chair - Business Transformation Workgroup at ODCA:
Open Data Center Alliance
T-Systems' Cloud Products and Partner Ecosystems

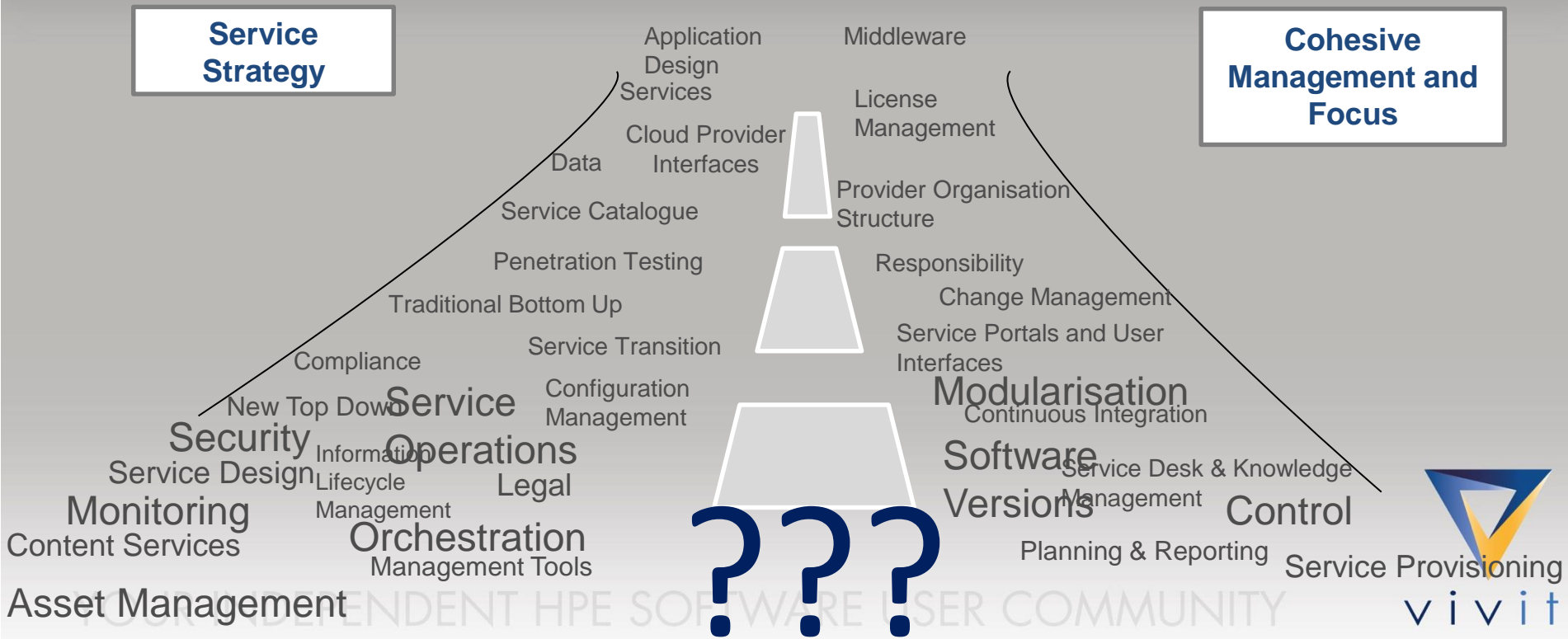
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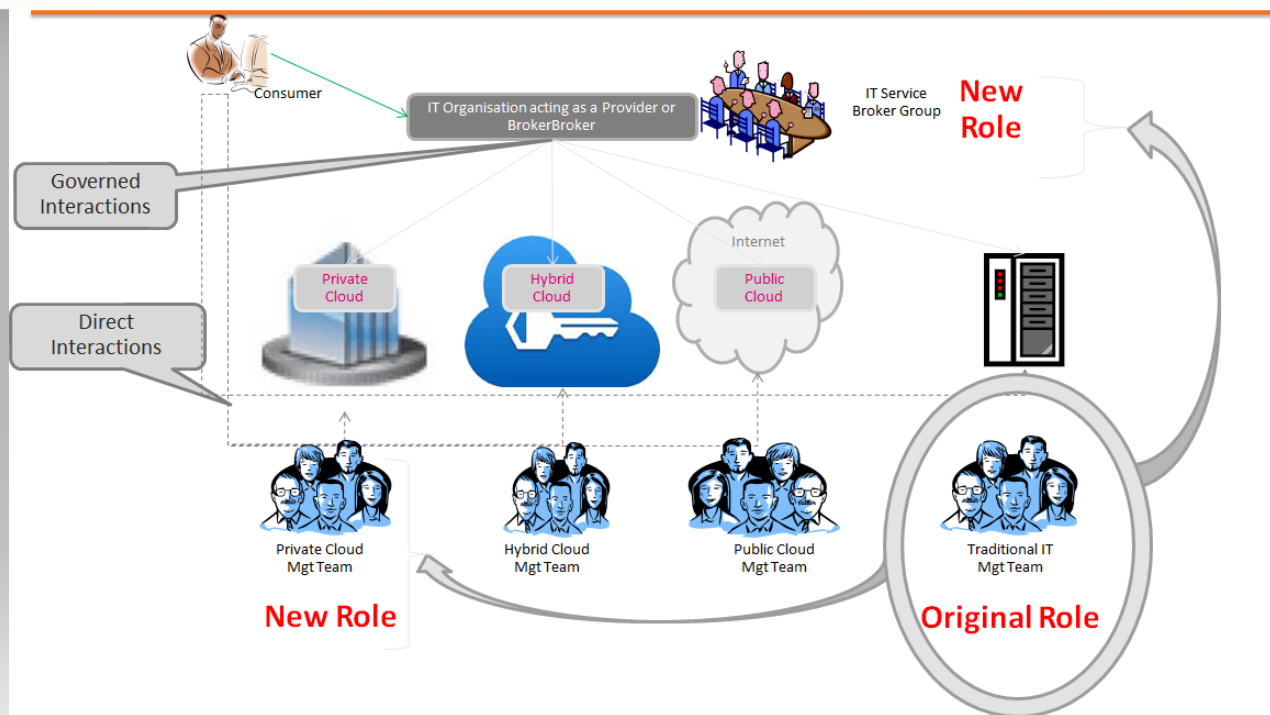
Webinar Housekeeping

- This “LIVE” session is being recorded
- The recording will be available on BrightTALK immediately after this session
- Q&A: Please type questions in the Questions Box below the presentation screen
- Additional information available for you behind the “Attachment” button and later on the Vivit website

Journey to Hybrid IT



The Challenge

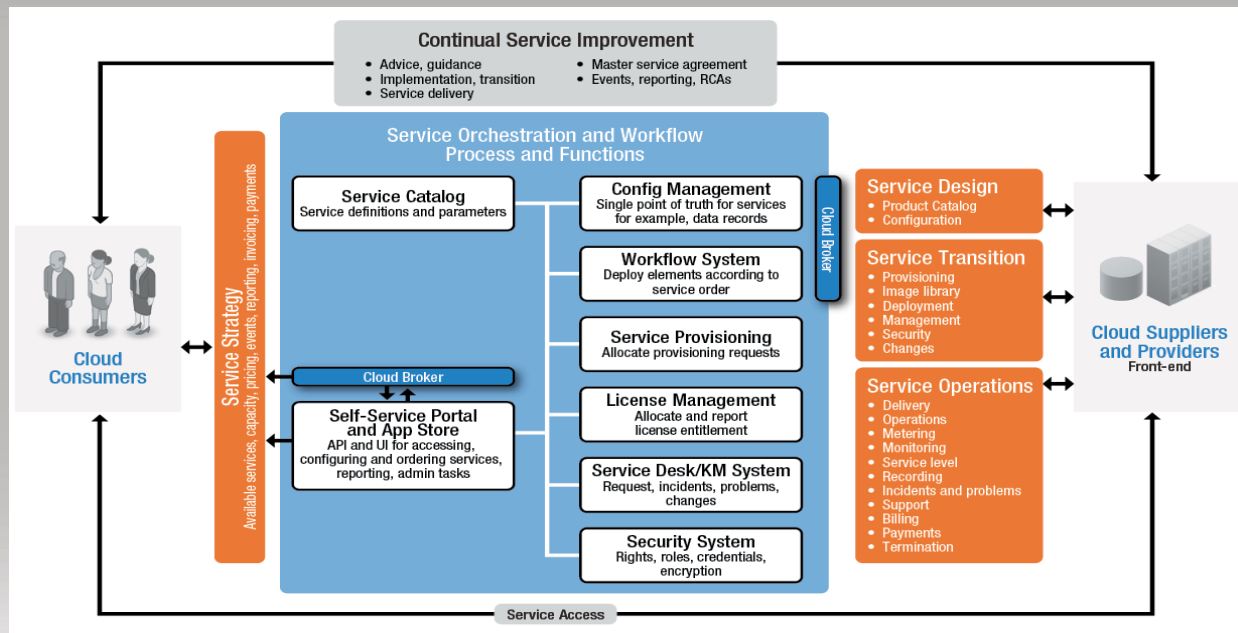


How does IT stay in control of all of these different cloud services?

Objectives

1. Zero distance for the user, to multi-cloud services in a controlled model,
2. Cost optimization in the service initiation chain,
3. Automation of all possible elements of a service except for those that can only ever be done by a human,
4. Getting new products to the customer very quickly,
5. Providing global access to central services,
6. Putting real-time control back into the hands of the user

Architectural Elements



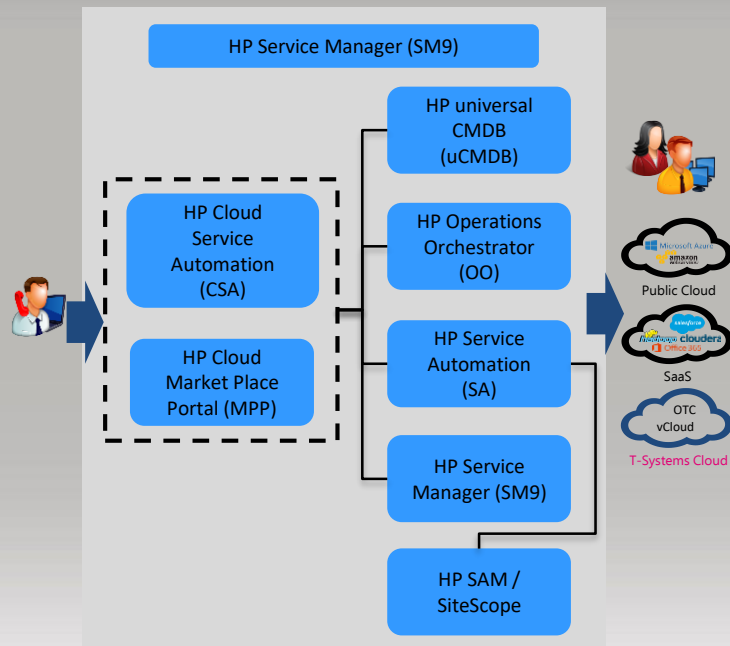
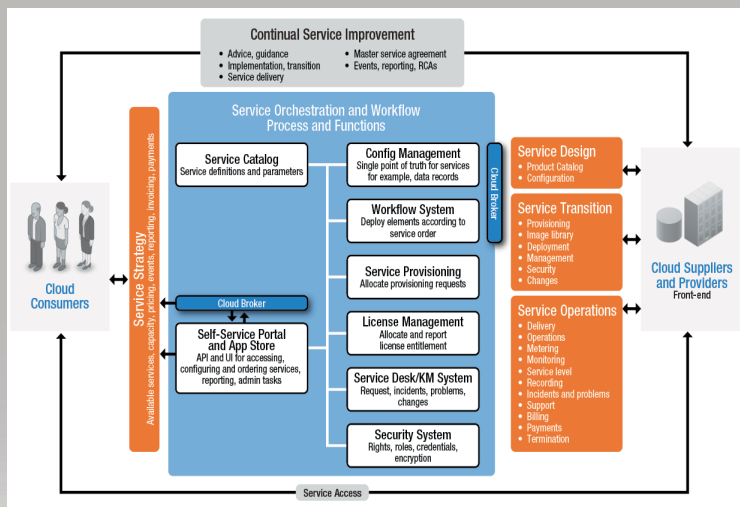
Starting with a standard reference model

According to ODCA



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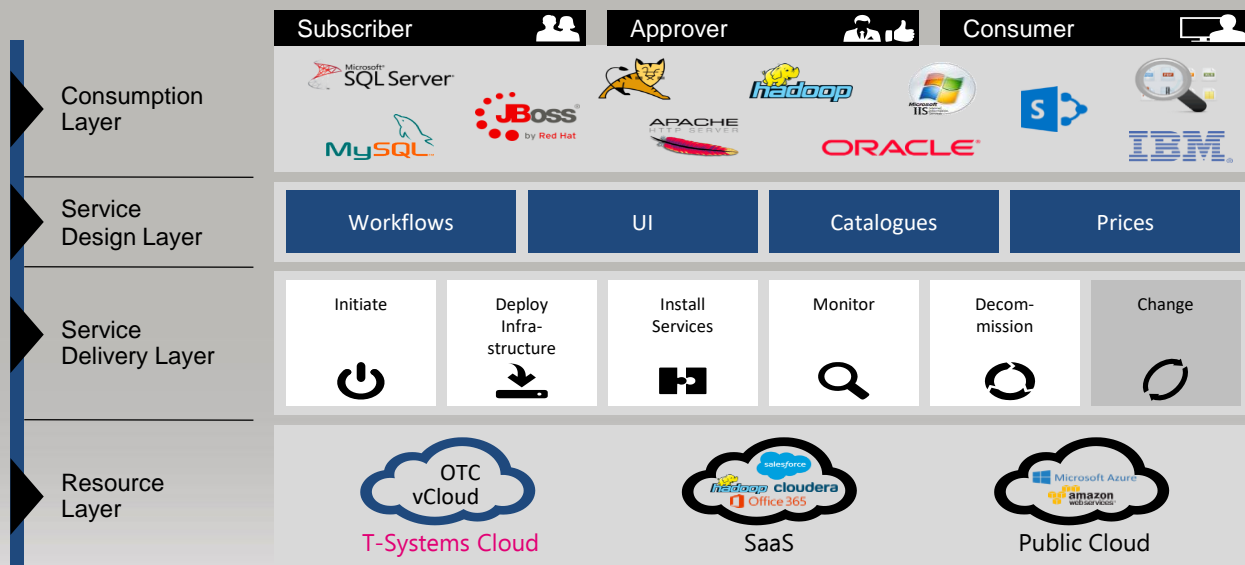
Key Elements



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Functional Layers



Self-Service-Portal for Multi-Cloud-environments

Catalog based selection, provisioning and monitoring of preconfigured services based on Microsoft Azure

Functions

1. Automated service provisioning leveraging enterprise standard configurations with defined parameters
2. Orchestration of middleware and database services (components)
3. Orchestration of appliances, complex server farms and IT landscapes
4. Establishment of Cloud Service Lifecycle Management for deployed services
5. Integration of cloud services into the customer IT infrastructure.

Benefits

1. Single Portal for the Customer
2. Multi-cloud access (Public, Private & Hybrid)
3. Enterprise configured Applications
4. Workflow (authorisation)
5. Lifecycle Management
6. Basic Reporting (Cost Center, Project, Person, System)
7. Central Billing for all clouds
8. Self-managed & Managed Application Services
9. ITIL Service Management for Cloud Services

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Screen MPP LoginPage

T-Systems

WELCOME TO THE
CLOUD INTEGRATION CENTER
FLEXIBILITY.CHOICE.SECURITY.



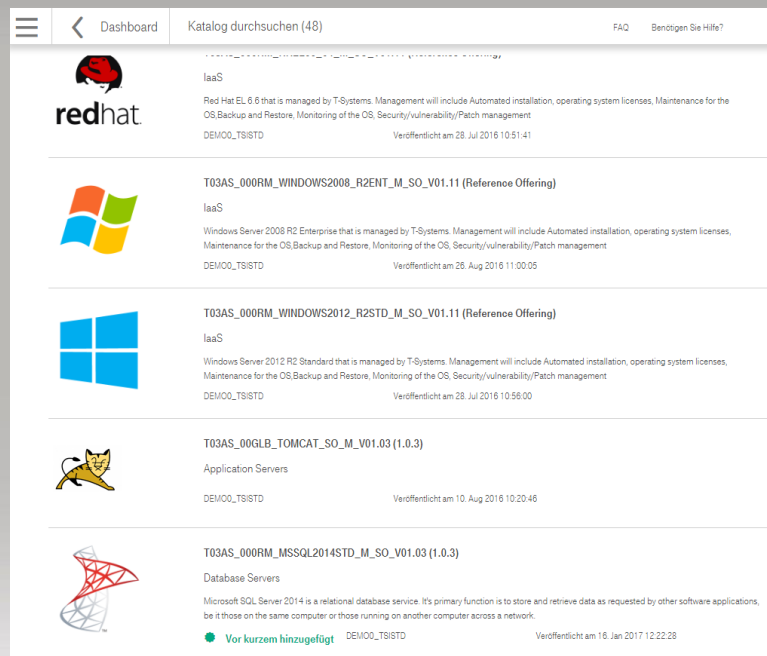
T-Systems Cloud
Integration Center

Für volle Funktionalität empfehlen wir die
Nutzung von Internet Explorer 11, Mozilla
Firefox 40, Google Chrome 44 oder höher.






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Screen Catalog



The screenshot displays a web interface for a software catalog. At the top, there is a navigation bar with a hamburger menu icon, a back arrow, the text 'Dashboard', and a search bar containing 'Katalog durchsuchen (48)'. On the right side of the navigation bar are links for 'FAQ' and 'Benötigen Sie Hilfe?'. Below the navigation bar, the catalog lists several software products, each with an icon, a title, a description, and a publication date.

Icon	Title	Description	Publication Date
	Red Hat EL 6.6 that is managed by T-Systems. Management will include Automated installation, operating system licenses, Maintenance for the OS, Backup and Restore, Monitoring of the OS, Security/vulnerability/Patch management	Red Hat EL 6.6 that is managed by T-Systems. Management will include Automated installation, operating system licenses, Maintenance for the OS, Backup and Restore, Monitoring of the OS, Security/vulnerability/Patch management	Veröffentlicht am 28. Jul 2016 10:51:41
	T03AS_000RM_WINDOWS2008_R2ENT_M_SO_V01.11 (Reference Offering)	Windows Server 2008 R2 Enterprise that is managed by T-Systems. Management will include Automated installation, operating system licenses, Maintenance for the OS, Backup and Restore, Monitoring of the OS, Security/vulnerability/Patch management	Veröffentlicht am 26. Aug 2016 11:00:05
	T03AS_000RM_WINDOWS2012_R2STD_M_SO_V01.11 (Reference Offering)	Windows Server 2012 R2 Standard that is managed by T-Systems. Management will include Automated installation, operating system licenses, Maintenance for the OS, Backup and Restore, Monitoring of the OS, Security/vulnerability/Patch management	Veröffentlicht am 28. Jul 2016 10:56:00
	T03AS_00GLB_TOMCAT_SO_M_V01.03 (1.0.3)	Application Servers	Veröffentlicht am 10. Aug 2016 10:20:46
	T03AS_000RM_MSSQL2014STD_M_SO_V01.03 (1.0.3)	Database Servers	Veröffentlicht am 16. Jan 2017 12:22:28


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Screen Offering Win2012

T·Systems 🔍

☰ < Katalog durchsuchen Katalogdetails durchsuchen FAQ Benötigen Sie Hilfe? 🛒 0 Elemente 👤

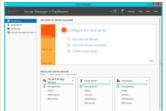
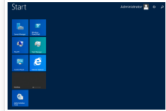


T03AS_000RM_WINDOWS2012_R2STD_M_SO_V01.11 (Reference Offering)
laaS

Windows Server 2012 R2 Standard that is managed by T-Systems. Management will include Automated installation, operating system licenses, Maintenance for the OS, Backup and Restore, Monitoring of the OS, Security/vulnerability/Patch management.


Veröffentlicht am 28. Jul 2016 10:56:00

„Weitere Details zeigen“ ist eingeschaltet



Sicherheitswarnung! Heruntergeladene Dateien stellen ein potenzielles Sicherheitsrisiko dar. Es wird empfohlen, als Schutz gegen herkömmliche Gefahren durch Viren und andere schädliche Komponenten eine Antivirenssoftware zu installieren.

📎 Windows Server 2012 R2 Managed OS - Service Description v1.0.pdf 2 MB

 **Cost Assignment**
Please specify the cost center for booking costs within your organization.

Customer Cost Center
Enter the cost center for this service

Auschecken


Zu Einkaufswagen
hinzufügen

Konfiguration


Cost Assignment
Customer Cost Center
Customer Cost Center (cic1)

General Settings
General Settings
1. Purpose of Service
(Developer Seat)
2. Deployment Location
(CLICKREFELD2)

Screen Options for Win2012

 **Storage Quality Class**
Select the required disk size for your operating system. It is recommended to align it with the size of the virtual machine.

Normal
Performant enterprise storage without cross datacenter mirroring


 **OS Disk Size (GB)**
Select the required disk size for your operating system. It is recommended to align it with the size of the virtual machine. !!WARNING!! Downsizing after initial provisioning can render your OS unusable

Medium (100 GB)

Large (150 GB)

X-Large (200 GB)

XX-Large (500 GB)

 **Additional Disks**

Add Additional Disk 1
Choosing this option will add an additional disk to your virtual machine.
Removing it will delete the disk.

Add Additional Disk 2
Choosing this option will add an additional disk to your virtual machine.
Removing it will delete the disk.

Add Additional Disk 3

Screen Design Diskoptions

The screenshot displays the 'Options' tab for a cloud offering titled 'T03AS_000RM_WINDOWS2012_R2STD_M_SO_V01L11'. The interface includes a navigation bar with 'Overview', 'Publishing', 'Options', 'Pricing', 'Documents', 'Screenshots', 'Versions', and 'Upgradability'. The 'Options' section features a card for 'OS Disk Size (GB)' with a red warning icon and the text: 'Select the required disk size for your operating system. It is recommended to align it with the size of the virtu...'. Two options are listed: 'Small (50 GB)' and 'Medium (100 GB)'. Each option has a radio button, a dropdown menu, and a table icon. Below each option is a text input field containing 'BIL_ELEMENT_TRAC...' and 'BNDLID:10000018#BNDLINST...'. The 'Medium (100 GB)' option is currently selected.

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Screen ResourceOffering

T03AS_00GLB_VCLOUD_MANAGEDIAAS_V01.02 Offering Back to Offerings by Type

Vanilla Managed

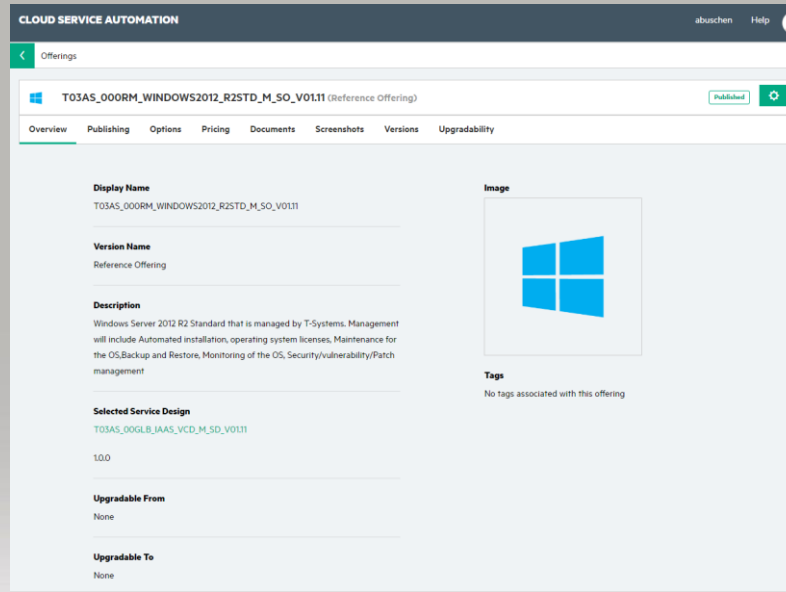
Summary Providers Lifecycle Properties Service Designs

The diagram illustrates the lifecycle of a resource offering. It is divided into three horizontal levels: Deployed, Described, and Finalized. In the Deployed level, three states are shown: Initializing, Reserving, and Deployed, connected by blue arrows pointing right. In the Described level, three states are shown: Initialized, Reserved, and Deployed, connected by grey arrows pointing right. In the Finalized level, three states are shown: Un-initializing, Un-reserving, and Un-deploying, connected by yellow arrows pointing left. To the right of the main lifecycle, there are two circular diagrams representing Modifying and Upgrading transitions.

Execution Order	Display Name	Process Engine	Process Definition
1	A4 - Reset (Press Reset Button)	OO10-ZTA-DEV	T03AS_00GLB_VCLOUD_DPLD_Reset_RO_V01.0
1	A3 - Reboot (OS Shutdown/Boot)	OO10-ZTA-DEV	T03AS_00GLB_VCLOUD_DPLD_Reboot_RO_V01.0
1	A1 - Shutdown (OS Shutdown)	OO10-ZTA-DEV	T03AS_00GLB_VCLOUD_DPLD_Shutdown_RO_V01.0
1	A5 - Power On	OO10-ZTA-DEV	T03AS_00GLB_VCLOUD_DPLD_PowerOn_RO_V01.0
1	A2 - Power Off (Press Power Button)	OO10-ZTA-DEV	T03AS_00GLB_VCLOUD_DPLD_PowerOff_RO_V01.0

- Transition States
 - Initializing
 - Pre-Transition
 - Transition
 - Post-Transition
 - Failure
 - Reserving

Screen CSA Offering



The screenshot displays the 'Offerings' page in the Cloud Service Automation (CSA) interface. The header shows 'CLOUD SERVICE AUTOMATION' and user information 'abuschen Help'. The main content area is titled 'Offerings' and features a specific offering: 'T03AS_000RM_WINDOWS2012_R2STD_M_SO_V0111 (Reference Offering)'. A 'Published' status is indicated by a green button. Below the title, a navigation bar includes 'Overview', 'Publishing', 'Options', 'Pricing', 'Documents', 'Screenshots', 'Versions', and 'Upgradability'. The 'Overview' tab is active, showing the following details:

- Display Name:** T03AS_000RM_WINDOWS2012_R2STD_M_SO_V0111
- Version Name:** Reference Offering
- Description:** Windows Server 2012 R2 Standard that is managed by T-Systems. Management will include Automated installation, operating system licenses, Maintenance for the OS, Backup and Restore, Monitoring of the OS, Security/vulnerability/Patch management
- Selected Service Design:** T03AS_000LB_IAAS_VCD_M_SD_V0111
- Version:** 1.0.0
- Upgradable From:** None
- Upgradable To:** None

On the right side, there is an 'Image' section showing the Windows logo and a 'Tags' section stating 'No tags associated with this offering'.

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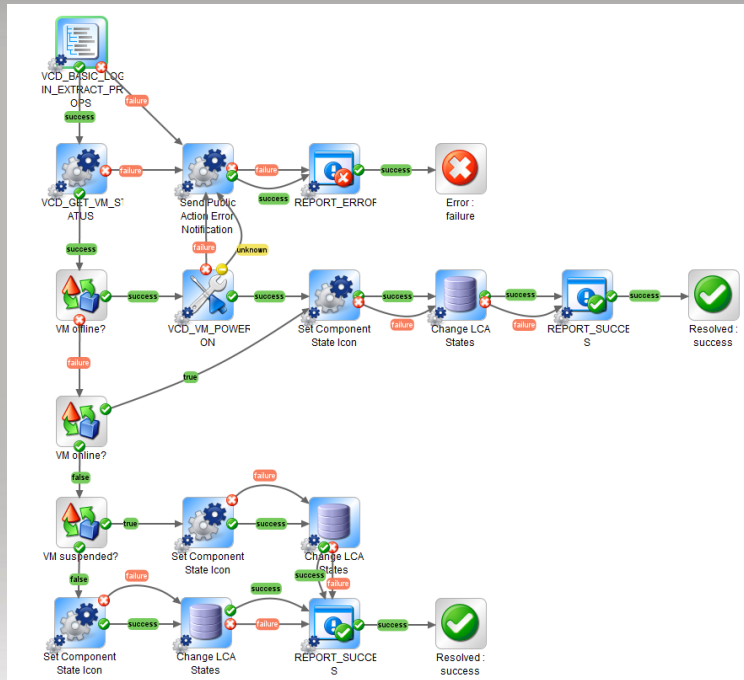
Screen Design IAAS

The screenshot displays the 'Sequenced Designs' interface in Service Design Hub. The design is titled 'T03AS_00GLB_IAAS_VCD_M_SD_V01.11 (1.0.0)' and is in a 'Published' state. The 'Designer' tab is active, showing a vertical flow diagram with three components: 'vCloud', 'vApp', and 'VM'. A yellow warning banner at the top states: 'This service design has been published and is read only.' On the right, the 'VM Server' section is expanded to show 'Resource Bindings', which includes a list of components such as 'T03AS_00GLB_CUSTOMP...', 'T03AS_00GLB_GENERATO...', 'T03AS_00GLB_VCLOUD_S...', 'T03AS_00GLB_VCLOUD...', 'T03AS_00GLB_HPSA_FIN...', 'T03AS_00GLB_HPSA_MA...', 'T03AS_00GLB_HPSA_SET...', 'T03AS_00GLB_DOMAIN_J...', 'T03AS_00GLB_CUSTOMP...', and 'T03AS_00GLB_AM_Updat...'. Below the bindings are sections for 'Lifecycle' and 'Properties'.

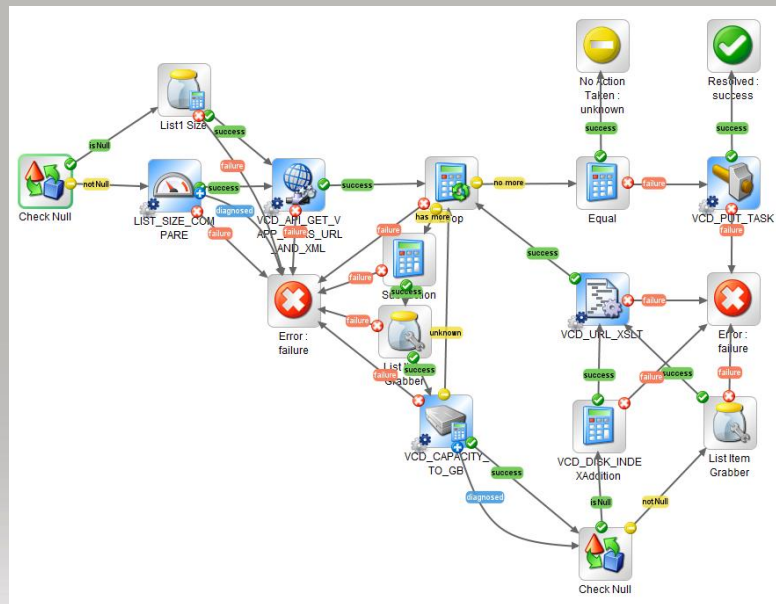
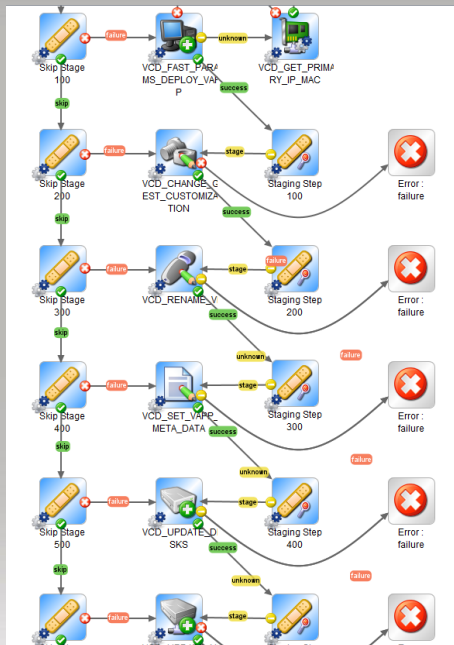
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Screens OO Flow General



Screens OO Flow HardDisk



Q & A

- Q&A: Please type questions in the Questions Box below the presentation screen

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