



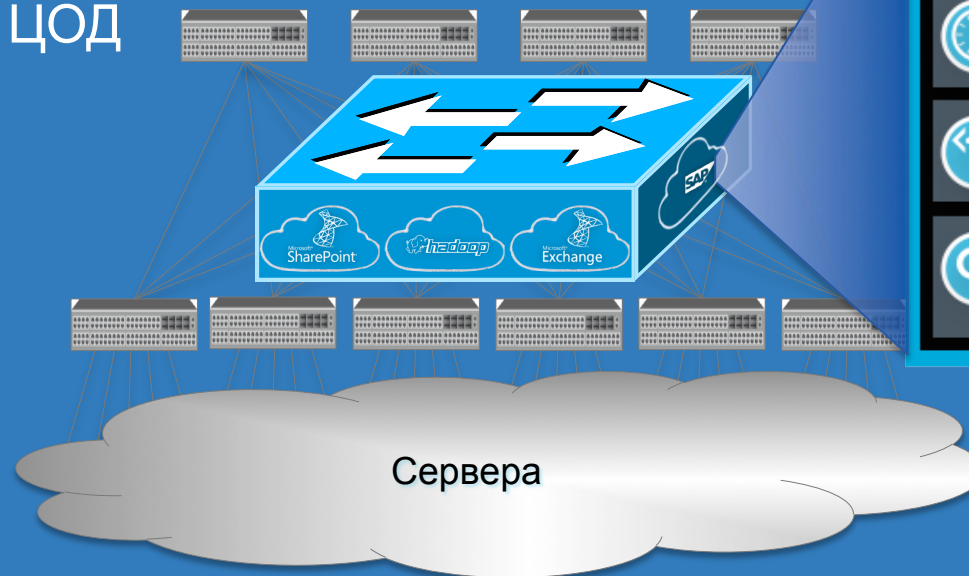
Simplify IT

Cisco ACI - революционная концепция сетевой инфраструктуры ЦОД

Виктор Подкорытов
Cisco SE

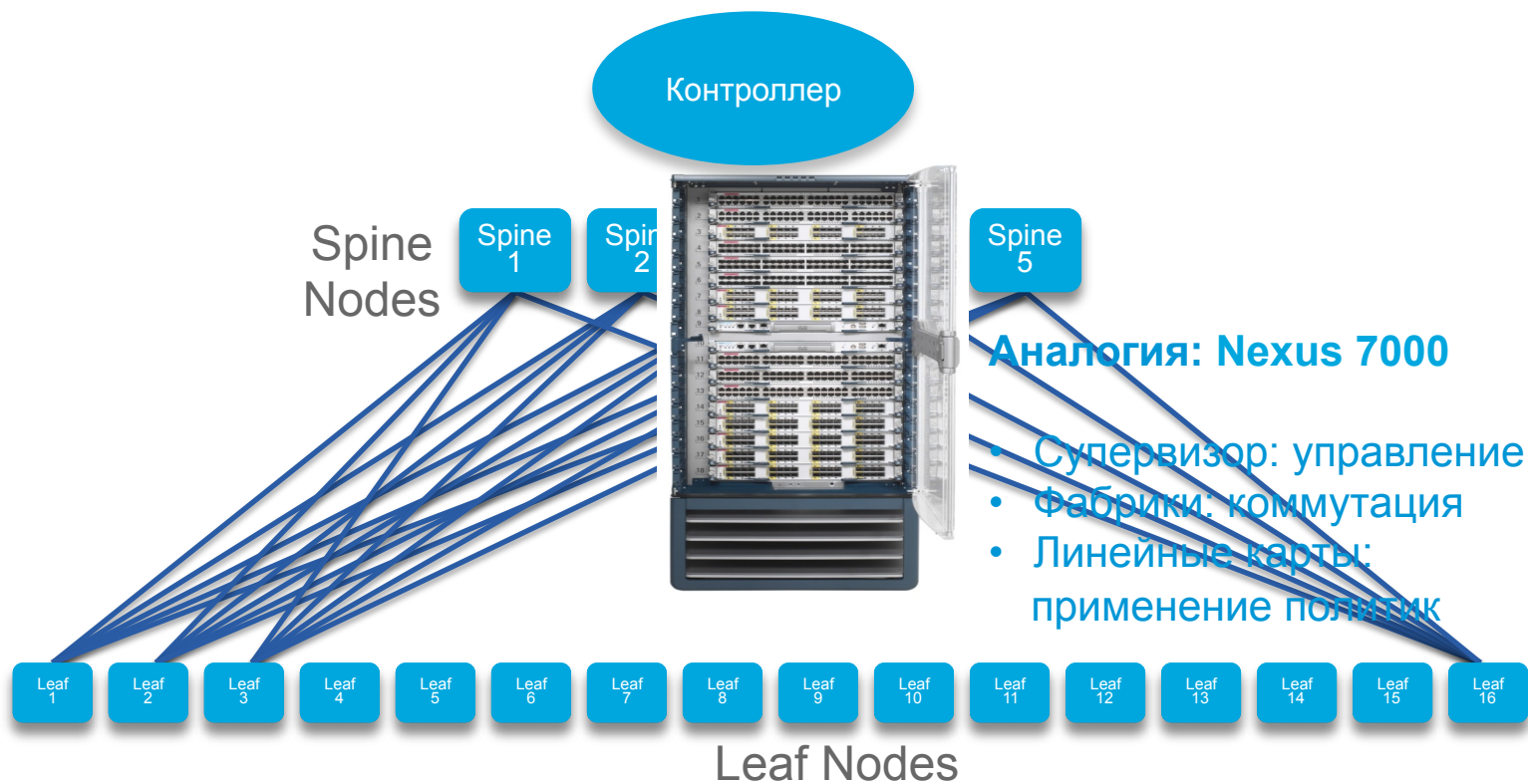
vpodkory@cisco.com

+38 044 3913600



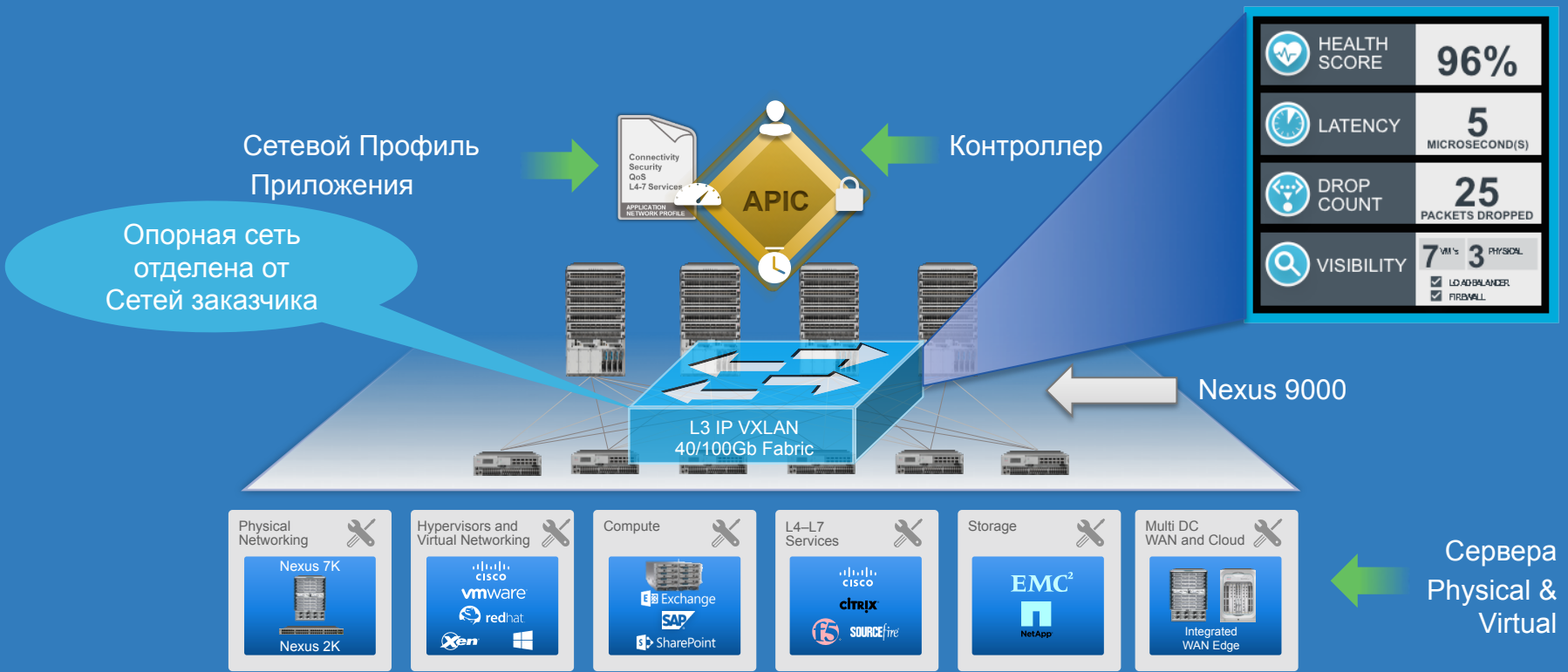
HEALTH SCORE	96%
LATENCY	5 MICROSECOND(S)
DROP COUNT	25 PACKETS DROPPED
VISIBILITY	7 VM's 3 PHYSICAL <input checked="" type="checkbox"/> LOADBALANCER <input checked="" type="checkbox"/> FIREWALL

Сеть ACI как распределённый коммутатор



Использование фабрики как единого коммутатора

Ориентированная на Приложения Инфраструктура



АСІ Адресует Бизнес Цели

- Улучшить Обслуживание клиентов
- Инновации в Продуктах и Сервисах
- IT как Конкурентное преимущество
- Увеличение Бизнес Аналитики



- Ускорить Доставку Приложений
- Гибкость Инфраструктуры
- Улучшить Видимость и Аналитику
- Упростить процессы



- Выполнение Требований Регуляторов
- Аудит и Взаимодействие
- Безопасность и Мониторинг
- Координация с Бизнес Целями



Выгоды АСИ

Конкурентное
преимущество

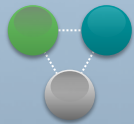
Гибкость
для Бизнеса

Ниже
ТСО

Уменьшение
Рисков

Необходима НОВАЯ Операционная модель

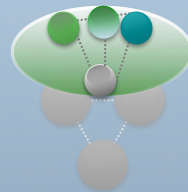
Традиционная СЕТЕВАЯ МОДЕЛЬ



СЕТЬ КОРОБОК

Существующая
Модель

SDN МОДЕЛЬ



Software-Based Network
Virtualization

2 Сети вместо 1...

НОВОЕ ПОКОЛЕНИЕ



APP-CENTRIC
INFRASTRUCTURE

Едины Сеть и Автоматизация
Гибкость и HW производи-сть

Applications Drive Development Network

Политика релевантная Бизнесу

- ACI позволяет всей инфраструктуре использовать команды на релевантном бизнесу языке.

Сетевой профиль ACI

“Разрешить WEB серверам коммуникацию с APP серверами”



Традиционная Политика?

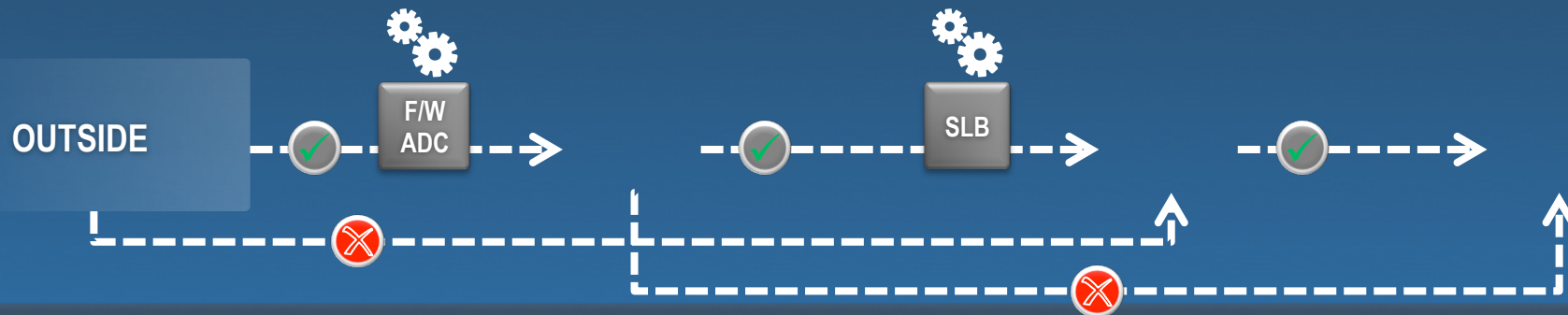
1. “Figure out where app lives in physical net”
2. “Trunk VLAN 112 to switch 22.”
3. “Add route....”
4. “Plumb ports 7-12...”
5. “Configure ACL...”
6. “Apply QoS...”
7. Repeat every time app moves or needs more capacity

Инновационный подход к описанию сети

CRM
APP

ORACLE®

SLA
QoS
Security
Load
APPLICATION
NETWORK PROFILE

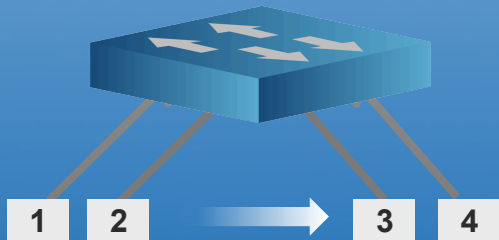


Что такое Политика Приложения?

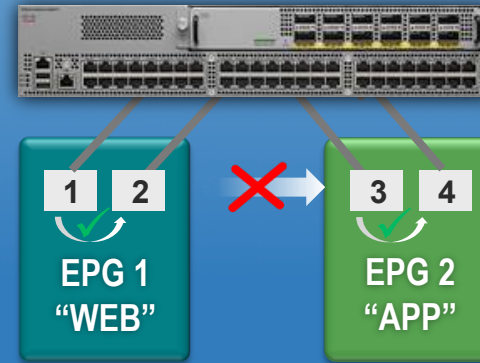
1. Группа: Набор VM или физических серверов с одинаковой политикой
2. Контракт: Набор правил (ACL) взаимодействия между группами
3. Сервисная Цепочка: Набор сетевых сервисов между группами

АСІ Політика по умовчанию “Zero Trust”

TRUST BASED ON LOCATION (Traditional DC Switch)



ZERO TRUST ARCHITECTURE (Nexus 9000 with ACI)



© 2013-2014 Cisco and/or its affiliates. All rights reserved.
Whitelist policy = Explicitly configured ACI contract between EPG 1 and EPG 2 allowing traffic between their members
ACI architecture allows flexible EPG membership, enabling wide range of security policies

УПРОЩЕНИЕ ACL / интеграции сетевых сервисов



- Уменьшаются риски безопасности – устранены ошибки конфигурации
- Жизненный цикл политик
- Ре-используются существующие правила/политики
- Централизация и автоматизация L4-7 Политик с Device Package
- Политики поддерживают мобильность серверов

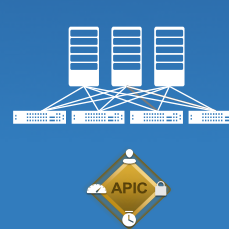
Представляем: Application Centric Infrastructure

Приложения + Инфраструктура

Открытость + Безопасность



SharePoint
Exchange
SAP
ORACLE



Физическая + Виртуальная



Частная Инфр.+ Облако



Политики Приложений = Операционная Простота

Масштабируемость

1 MILLION IPV4 / IPV6
END POINTS

64,000 TENANTS

60 TBPS CAPACITY
(PER SPINE)

8K MULTICAST GROUPS
(PER LEAF)



400000 ПОРТЫ

Инновации в Оптике: цена 40Gb \approx 10Gb Ре-использование обычной пары ММ оптики

40G BiDi Optics



40G Over 10G
Multimode Fiber

40G



Экономия при
переходе на 40G

(99% DC)

АСІ Адресует вызовы Безопасности в ЦОД



Безопасность
написана на
«Языке»
Приложений»



Упрощается
сегментация с
помощью
Политик



Автоматизация
Сетевых
Сервисов



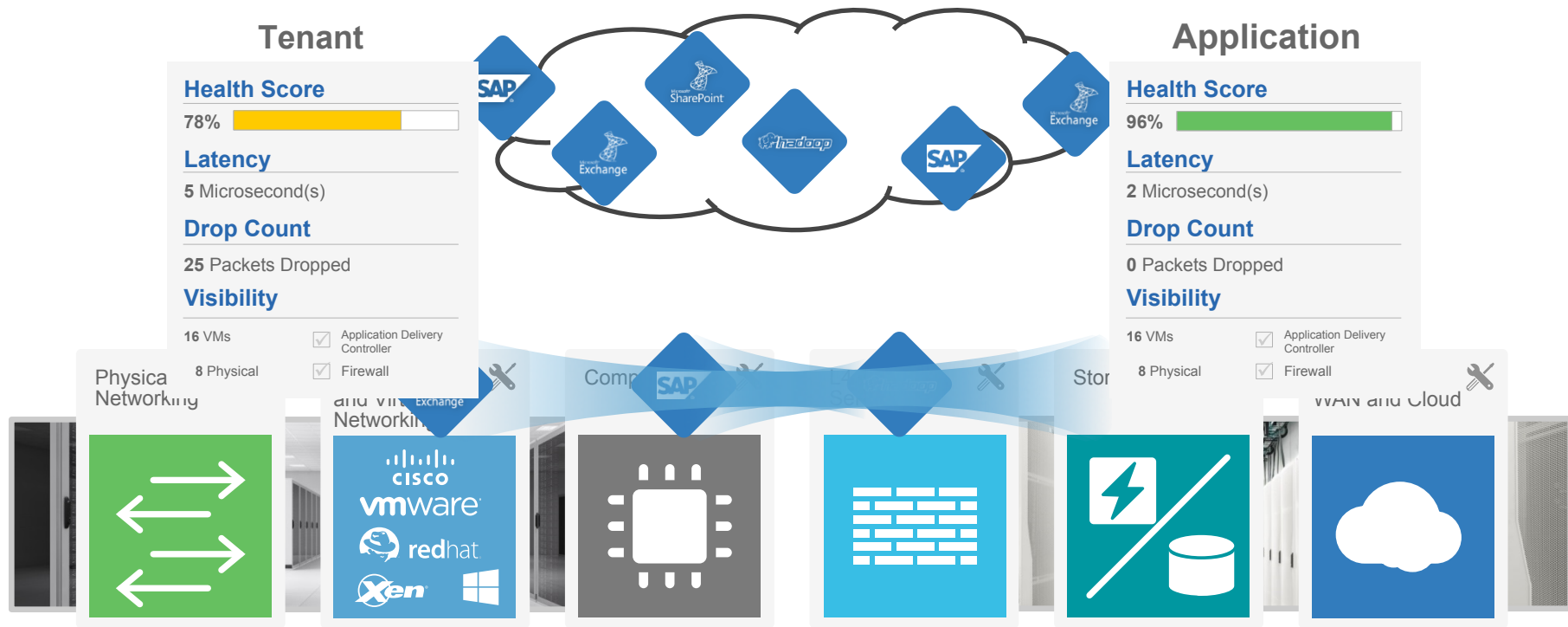
Видимость,
аналитика,
Расследование



Автоматизация,
Регуляторы,
Аудит

Централизация Безопасности для Физических и VM серверов

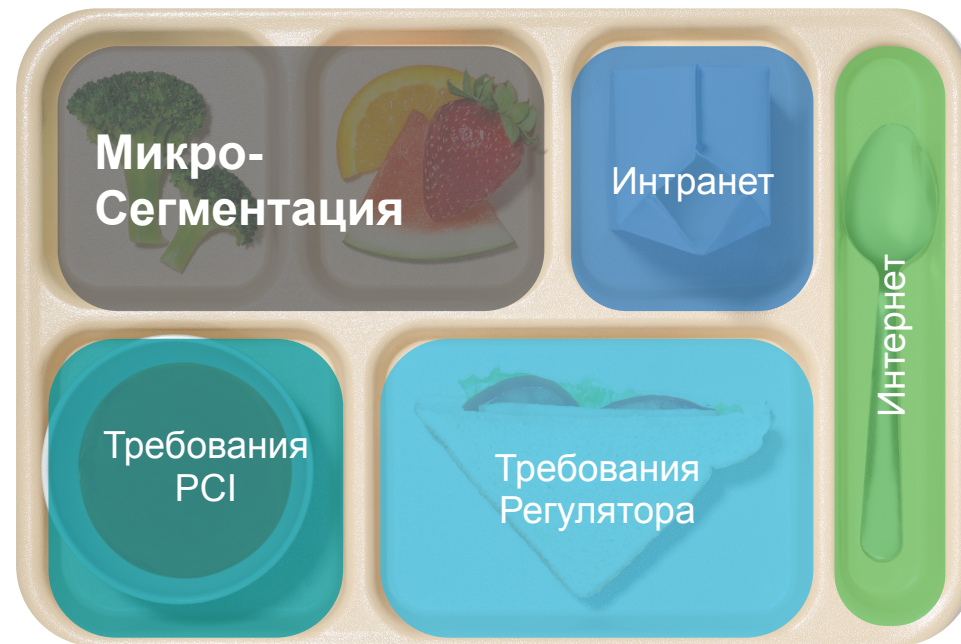
Видение Cisco ACI: Масштабируемость, Безопасность и Полная видимость



Интеграция физической и виртуальной среды

Как вы можете Извлечь
выгоду для своего Бизнеса от
автоматизации Вашей сети?

Внедрение Гранулярных Групп Безопасности



Безопасность ACI

Фокус на Упрощение, Multi-Tenancy и Масштабируемость

Интеграция в ACI



Policy–
Physical and
Multi-Cloud



Automated
Audit, Detect,
Mitigate



Stateful Firewall
and Micro
Segmentation

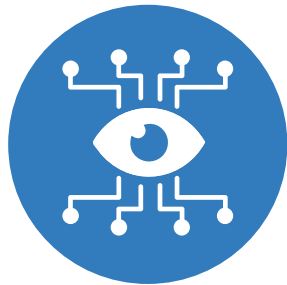
Защита Инвестиций



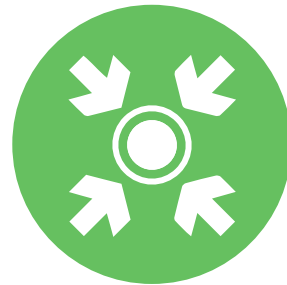
Валидирован для развертывания PCI инфраструктуры

Видимость АСІ

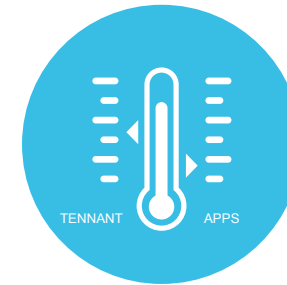
Физические, Виртуальные сервера и Контейнеры



Integrated
Overlay/Underlay



Centralized
Management
and Open APIs



Health
Scores

ACI: Сила программируемости

Открытый API, Open Source, Open Standards

Intuit



Built by Customer:
Dashboard

Granular
Application Visibility
and Control

ACI Toolkit



Built by
Third Party

Simplified Network
Provisioning

Azure Pack Integration



Built-in Collaboration
with Partner

ACI for Microsoft
Cloud

vCenter Plugin



Built by an Intern
in ~2 months

Network
Provisioning
Through vCenter

ACI & NEXUS 9000

INDUSTRY ADOPTION & AWARDS

6,000+

Nexus 9K and ACI
Customers Globally

1,400+

ACI Customers

50+

Ecosystem Partners

Best of
INTEROP
2015 Data Center Winner

Best of
INTEROP
2015 SDN Winner

“Nexus 9516 Wins Best of Interop”

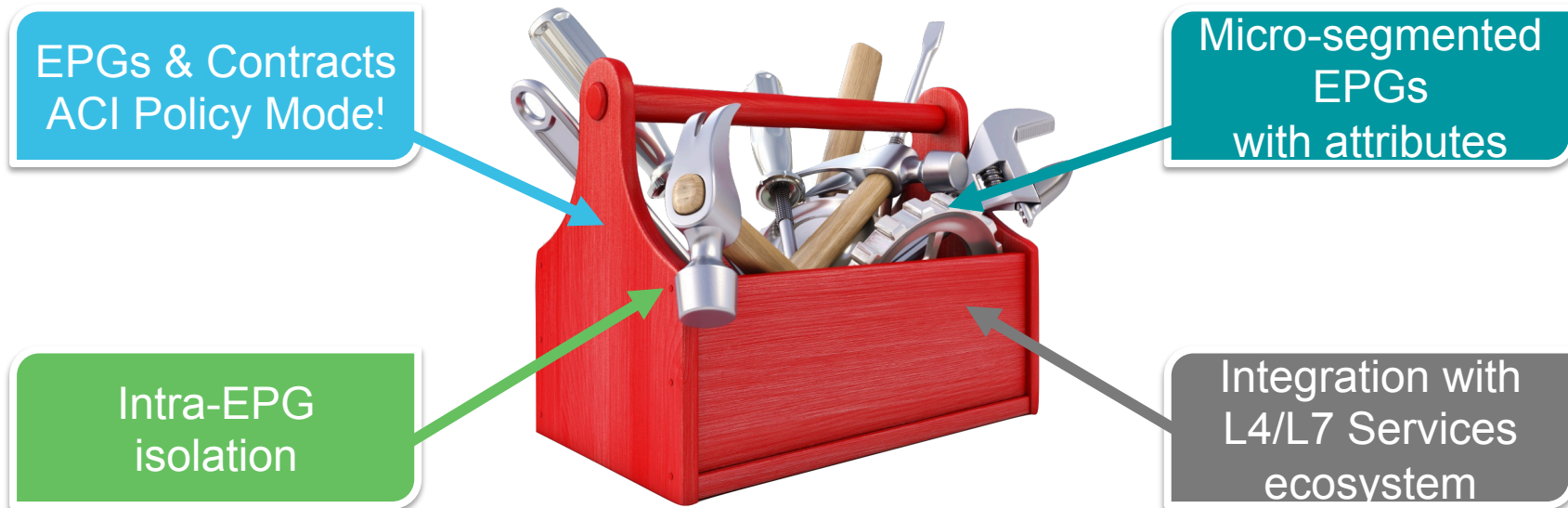


ACI
Winner of Cisco 2015
Pioneer Award in Product
Innovation Category

2015
Excellence In SDN
SDNZONE
SOFTWARE DEFINED NETWORK

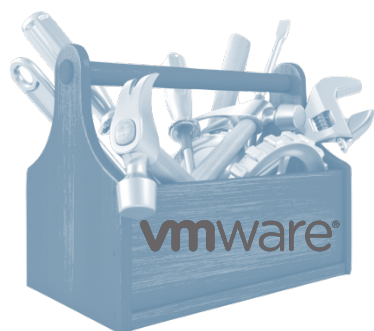
Пример: Автоматизация Многоуровневого приложения через Dev, Test и Prod

The ACI Micro Segmentation Toolbox





For physical & multi-hypervisor workloads

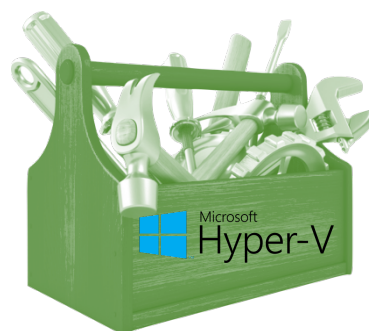


Intra-EPG Isolation:

- DVS since ACI 1.2(2)
- AVS since ACI 1.3(1)

μSeg EPG with attributes:

- DVS since ACI 1.3(1) with 9300-EX hardware
- AVS since ACI 1.1(1)



Intra-EPG Isolation:

- Roadmap

μSeg EPG with attributes:

- Microsoft Virtual Switch since ACI 1.2(1)

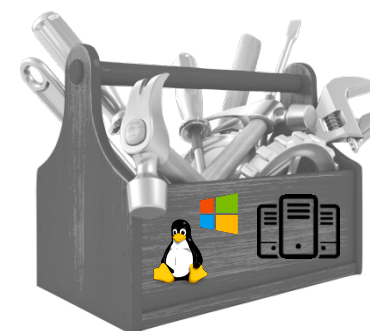


Intra-EPG Isolation:

- Supported since ACI 1.2(2)

μSeg EPG with attributes:

- Roadmap



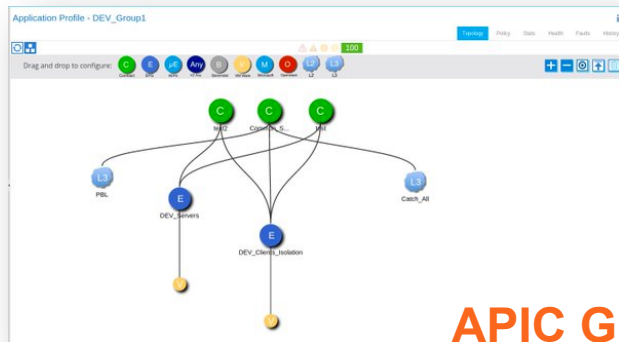
Intra-EPG Isolation:

- Supported since ACI 1.2(2)

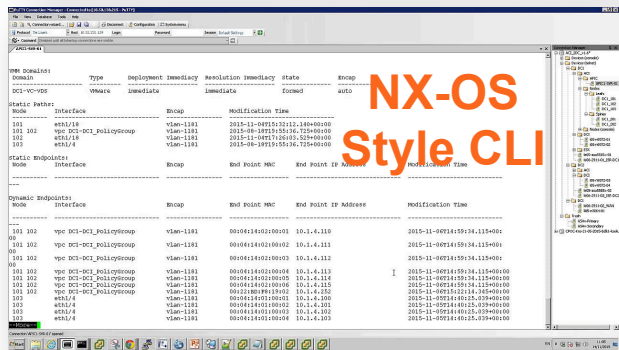
μSeg EPG with attributes:

- IP EPG since ACI 1.2(1) with -E hardware
- MAC EPG planned

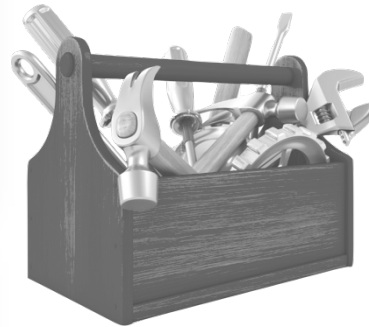
Management tools for every organization



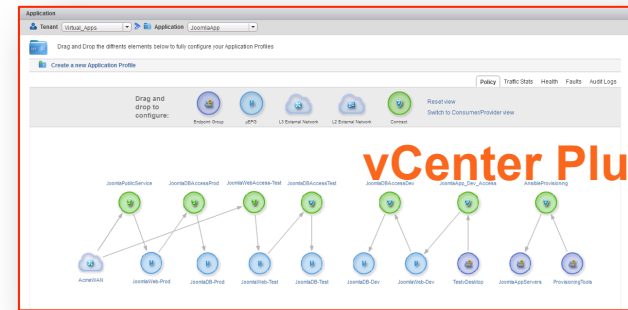
APIC GUI



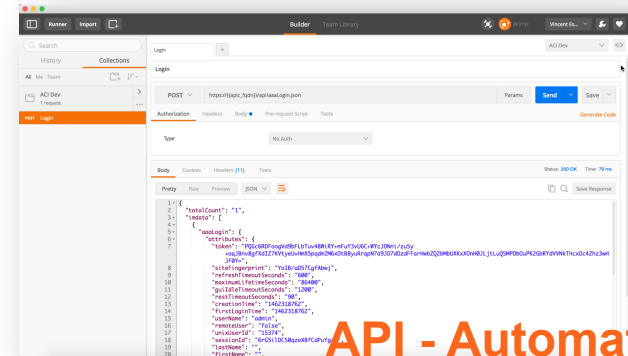
NX-OS Style CLI



Choose the right one!



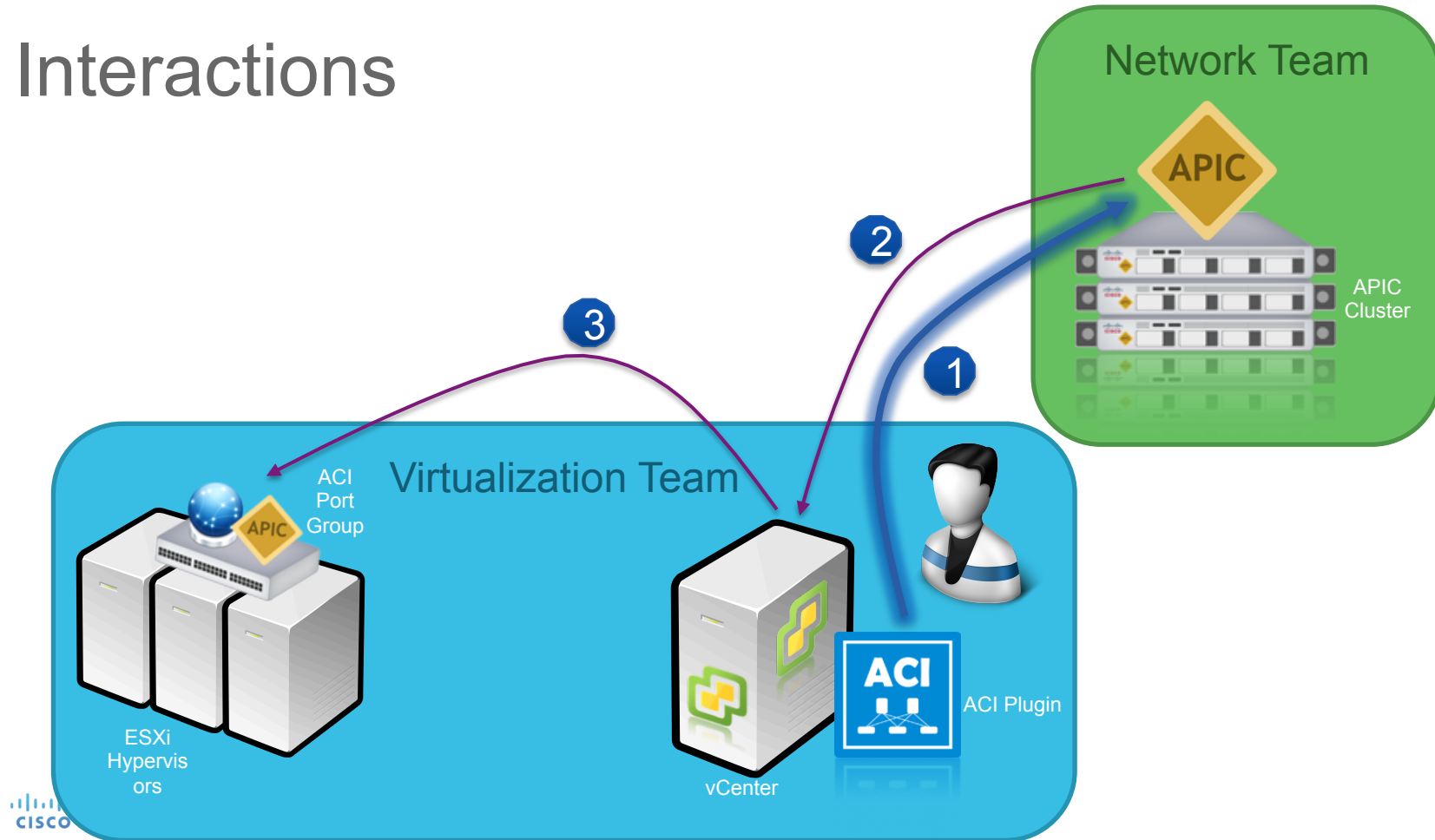
vCenter Plugin



API - Automation



Interactions



vmware vSphere Web Client

root@locatos | Help | Search

Home

Getting Started Home

Inventories

- vCenter
- Hosts and Clusters
- VMs and Templates
- Storage
- Networking
- vCenter Orchestrator
- Hybrid Cloud
- ACI Plugin

Monitoring

- Task Console
- Event Console
- Host Profiles
- VM Storage Policies
- Customization Specification Manager
- vCenter Operations Manager

Administration

- Roles
- Licensing
- vCenter Solutions Manager

Recent Tasks

All Running Failed

My Tasks More Tasks

Work In Progress

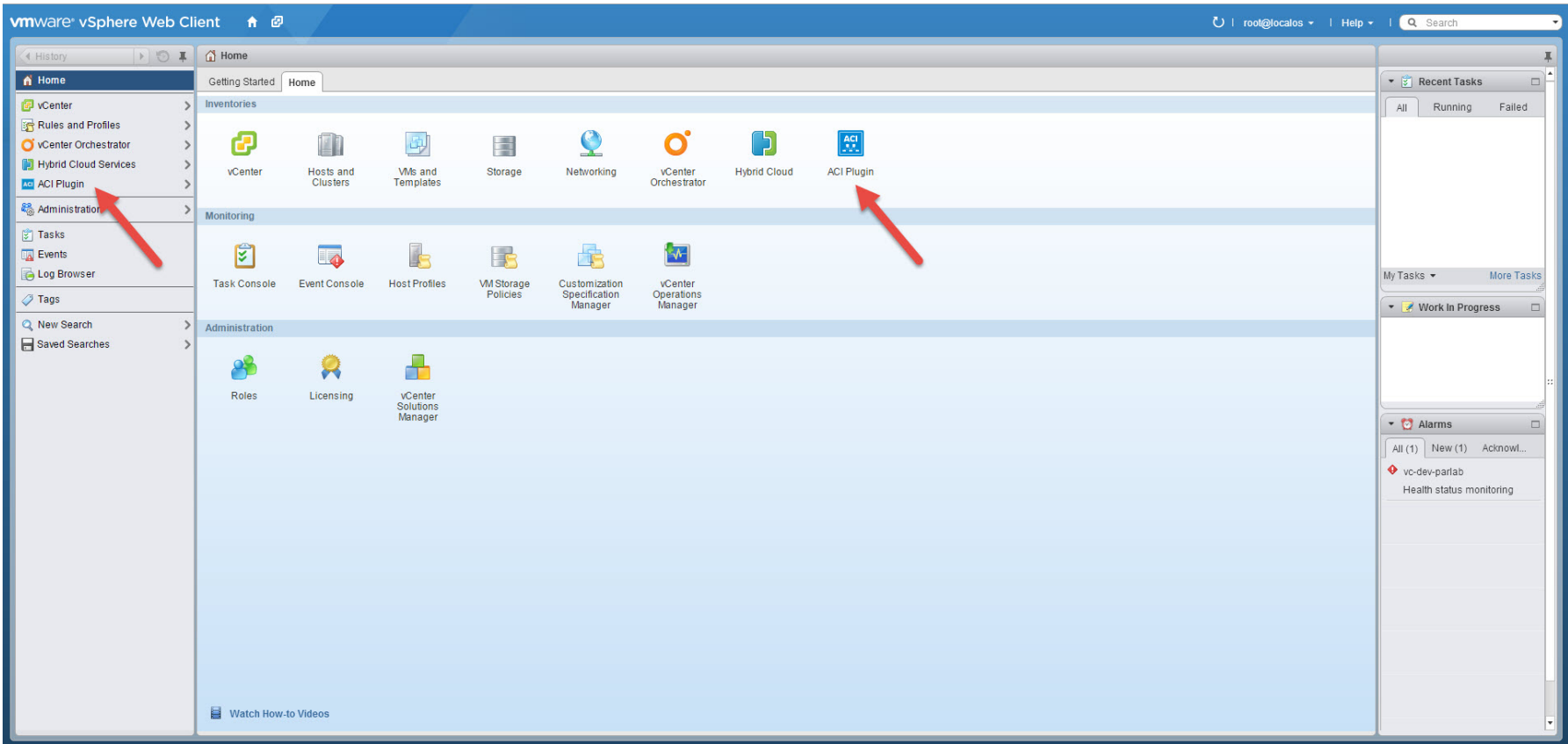
Alarms

All (1) New (1) Acknowl...

vc-dev-parlab

Health status monitoring

Watch How-to Videos

The image shows the VMware vSphere Web Client interface. The top navigation bar includes the VMware logo, the text "vSphere Web Client", and user information "root@locatos" with a "Help" link and a search box. The left sidebar contains a navigation menu with categories like "Home", "vCenter", "Rules and Profiles", "vCenter Orchestrator", "Hybrid Cloud Services", "ACI Plugin", "Administration", "Tasks", "Events", "Log Browser", "Tags", "New Search", and "Saved Searches". The main content area is titled "Home" and is divided into three sections: "Inventories", "Monitoring", and "Administration". Each section contains several icons representing different management tools. A red arrow points to the "ACI Plugin" icon in the "Inventories" section. Another red arrow points to the "ACI Plugin" entry in the left sidebar. On the right side, there are three panels: "Recent Tasks" (with tabs for All, Running, Failed), "Work In Progress", and "Alarms" (showing one alarm for "vc-dev-parlab" with the description "Health status monitoring"). At the bottom left, there is a link for "Watch How-to Videos".

Онлайн магазин Асте Со. Web Приложение

(Пример основан на Open Source Joomla CMS)



HOME SAMPLE SITES Joomla.org

Matuna Fruits
Open Source Content Management

Font size [Bigger](#) [Reset](#) [Smaller](#)

Search...

You are here: [Home](#) > Growers

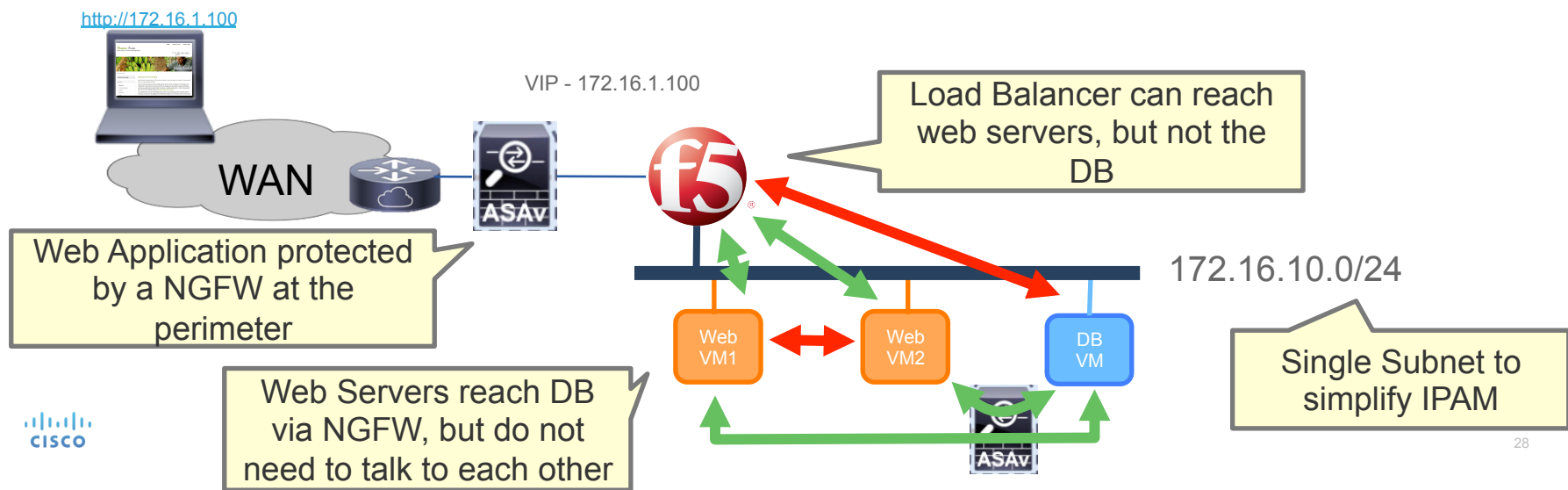
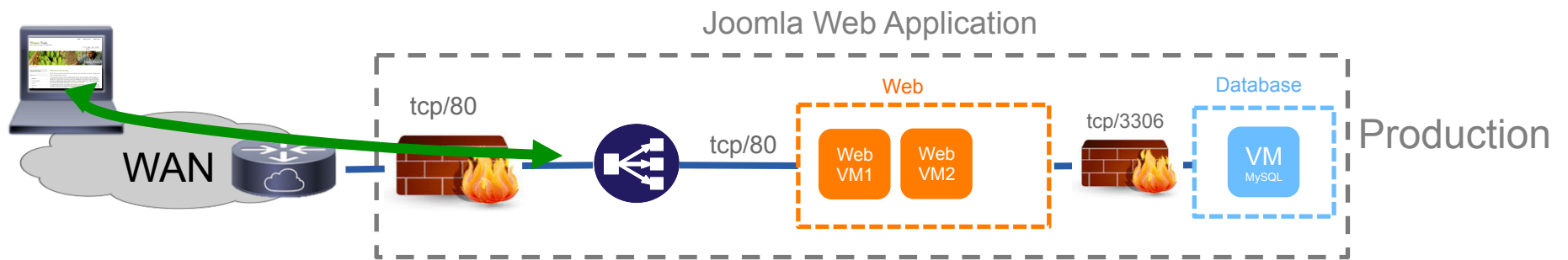
About Fruit Shop +

Growers

We search the whole countryside for the best fruit growers.

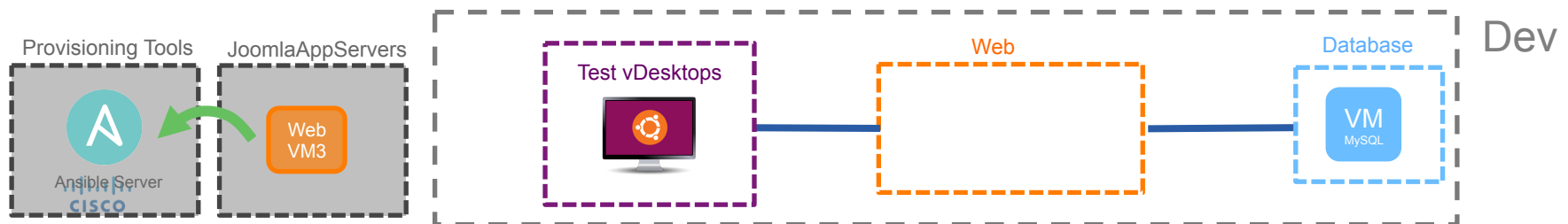
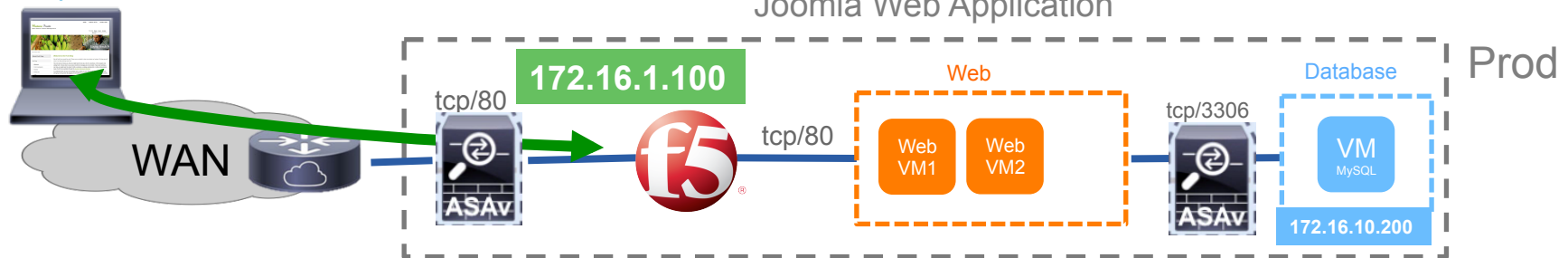
You can let each supplier have a page that he or she can edit. To see this in

Дизайн приложения для Асте Web App

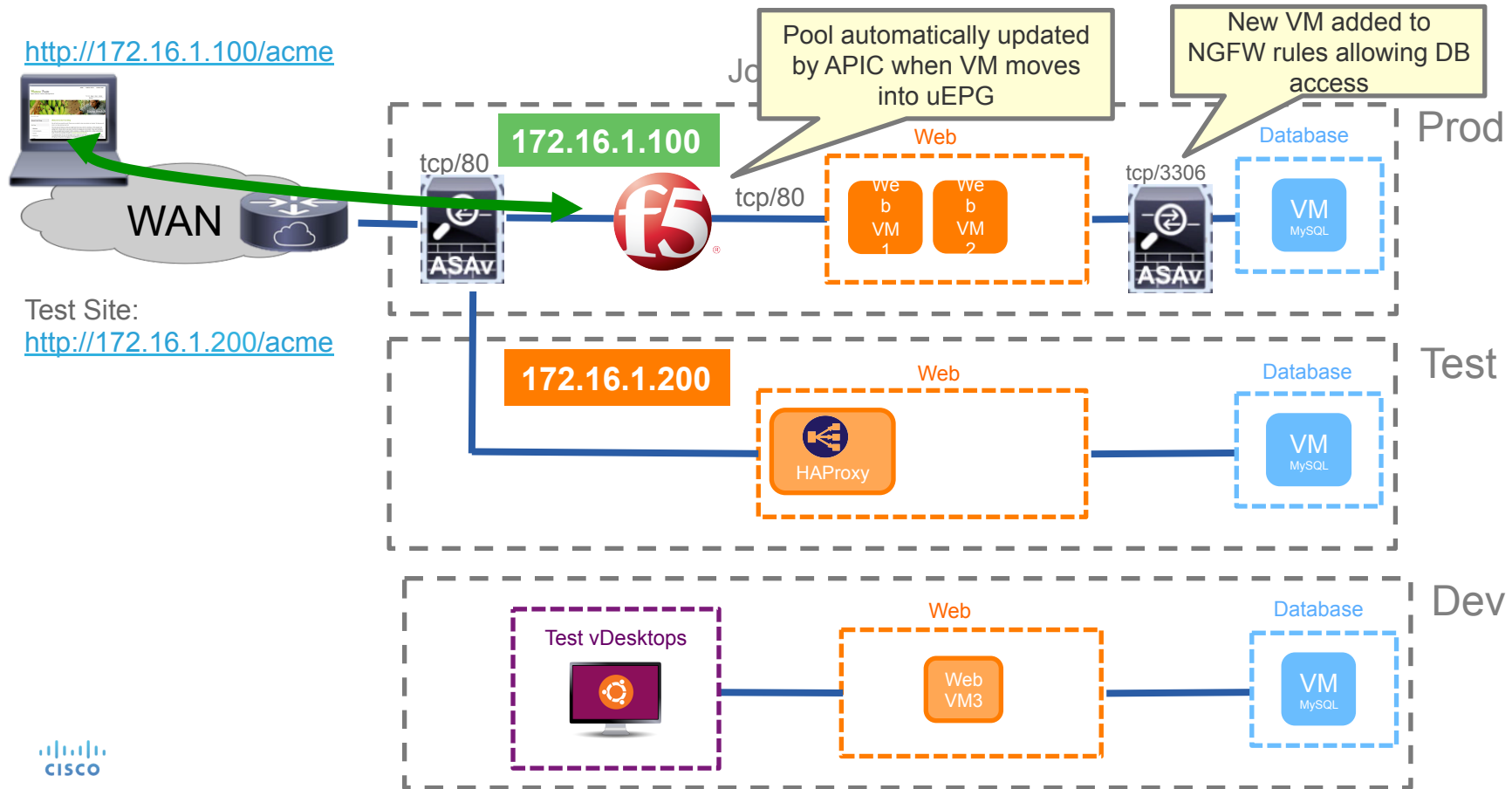


Онлайн магазин Acme Co.

<http://172.16.1.100/acme>



Acme Co. – Web App for online Shop

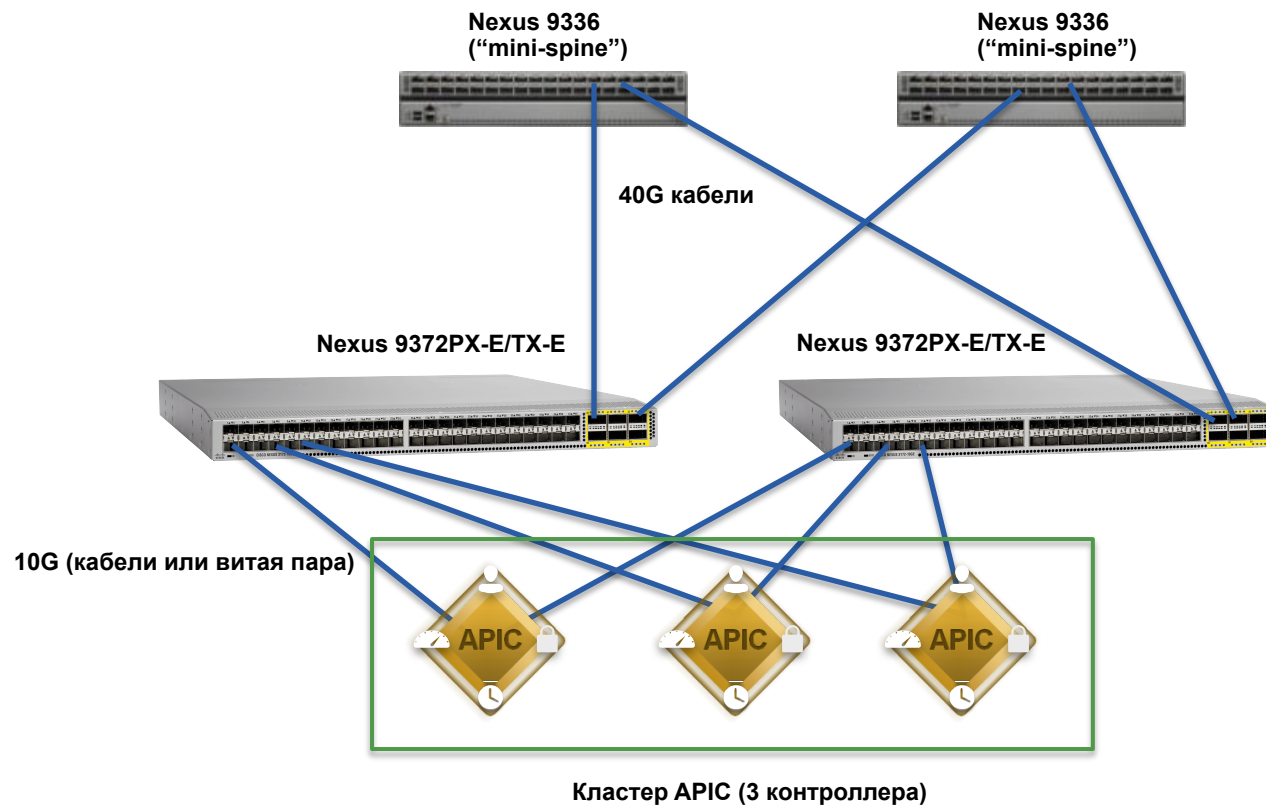


Demo

С чего можно начать?

Минимальная конфигурация инфраструктуры ACI

GPL
\$160k



Миграция в новую модель EPG



Примеры внедрения

Ведущий сервис провайдер в ОАЭ Внедрение АСІ

The screenshot shows the du Business website interface. At the top, there is a navigation bar with tabs for "Business", "Personal", "Shop", and "My Account". The "Business" tab is active. To the right of the navigation bar, there is a search bar containing "pulsar hd50s" and a language selector for "العربية". Below the navigation bar, the main content area features the headline "The answer is yes." followed by three service cards. Each card includes a representative image, a title, a short description, and a "Learn more" button. The sidebar on the left contains the du logo and menu items for "Small Business", "Enterprise", and "Managed Services".

Business | Personal | Shop | My Account | العربية

The answer is yes.

For Small Businesses
Enjoy our new Business Mobile Plan, the simplest data & calling plan.
[Learn more](#)

For Enterprises
Can a network operator be a business partner? The answer is yes.
[Learn more](#)

Managed Services
Let the experts manage your ICT services while you focus on running your business.
[Learn more](#)

Testimonial videos - Business Talk episodes



Основные проблемы клиента решенные с ACI

Infrastructure scalability
Масштабируемость Инфраструктура
Энерго-эффективность
(Охлаждение очень дорого стоит)
Мобильность
40 Gb по цене 10Gb
Мульти-гипервизорность
Огромные Сарех сбережения
Эксплуатационная Простота



Ведущий сервис провайдер в ОАЭ и самом быстрорастущим в регионе Ближнего Востока

Консолидация в 2 новых ЦОД Дубаи и Абу-Даби вместо 15+,

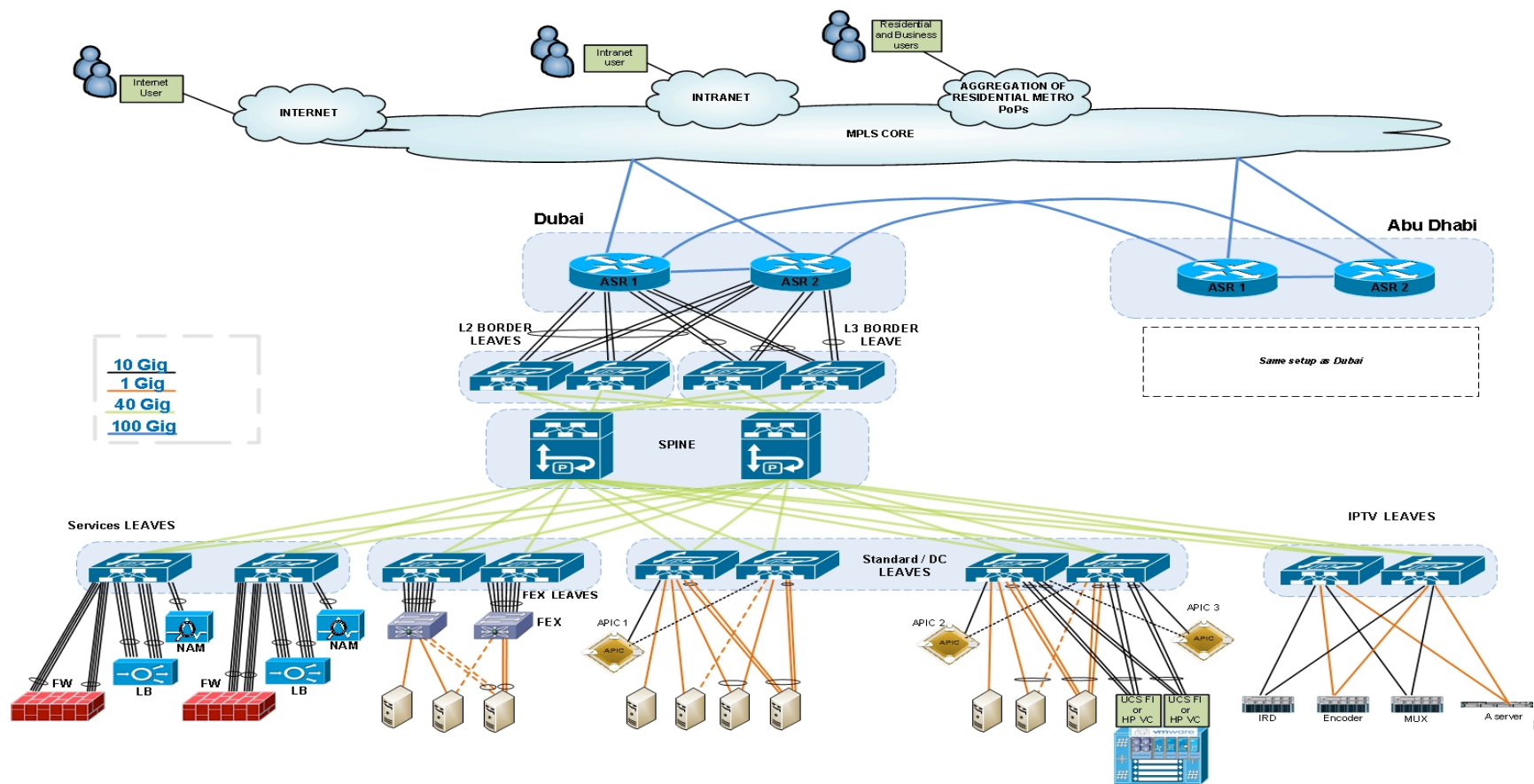
ACI Фабрика :

- 2 Spines (9508)
- 144 ToRs (9396-PX)
- 3 APIC Clusters
- ASR9K for DCI
- Citrix SDX for Services Insertion
- NAM
- UC on UCS

Ключевые Сервисы предоставленные АСІ

- IPTV – Платные ТВ пакеты для жилых, и бизнес-клиентов
В значительной степени зависят от мультикаст SD и HD каналов
- Корпоративный IT – внутренняя инфраструктура Приложений для внутренних пользователей, обслуживание мобильных сервисов и заказчиков
 - Customer Relationship Management (CRM)
 - Enterprise Resource Planning (ERP)
 - Blackberry Enterprise Service (BES), Email, OSS etc.
- НМС – Хостинг обмена сообщениями и совместной решение
 - Microsoft Exchange и SharePoint
 - Хостинг Доменов и Сторадж сервисы
- HCS – Голосовые и Видео Сервисы для бизнес заказчиков посредством Cisco Business Voice Services (BVS) для Хостинга и Менеджет сервисов.
- Телеком– Мобильные и Сервис передачи данных 2G (EDGE), 3G (HSPA) и 4G (LTE)

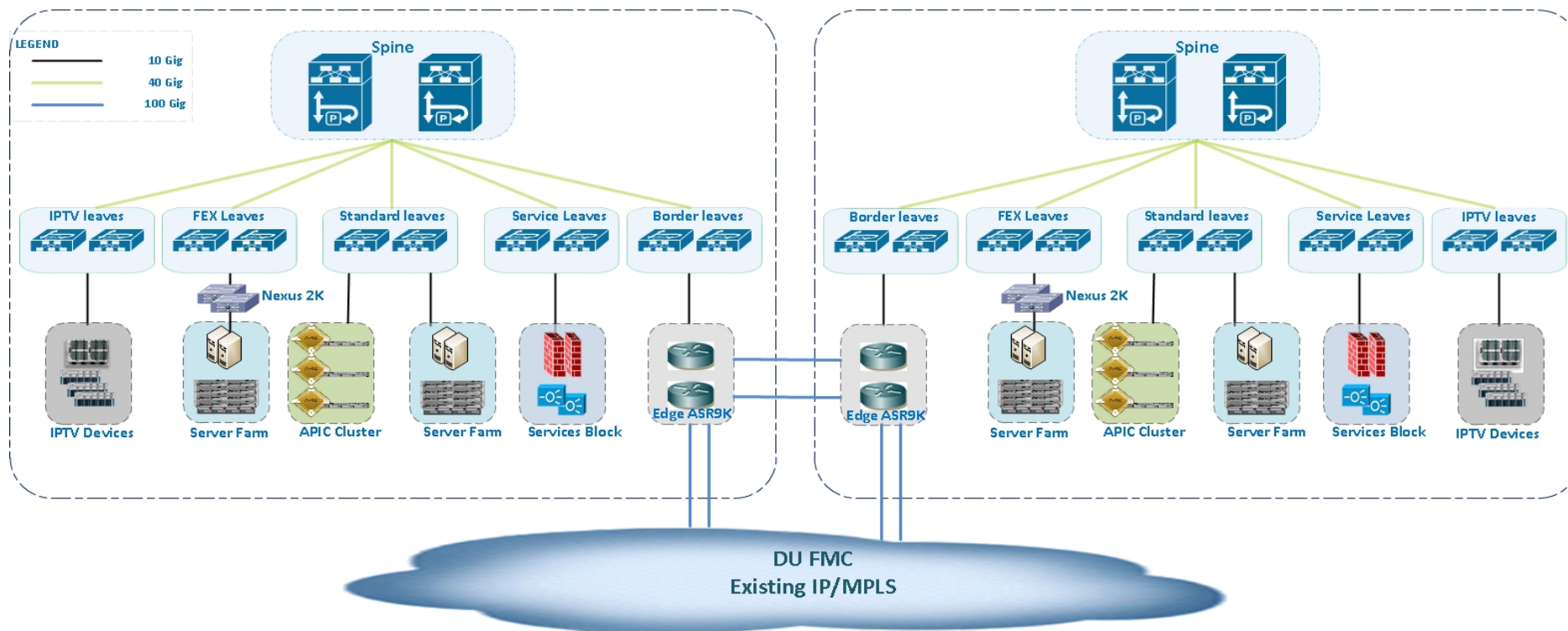
Топология



Топология

Dubai

Abu Dhabi



АСІ Топология Фабрики

CISCO SYSTEM TENANTS FABRIC VM NETWORKING L4-L7 SERVICES ADMIN welcome, admin

INVENTORY | FABRIC POLICIES | ACCESS POLICIES

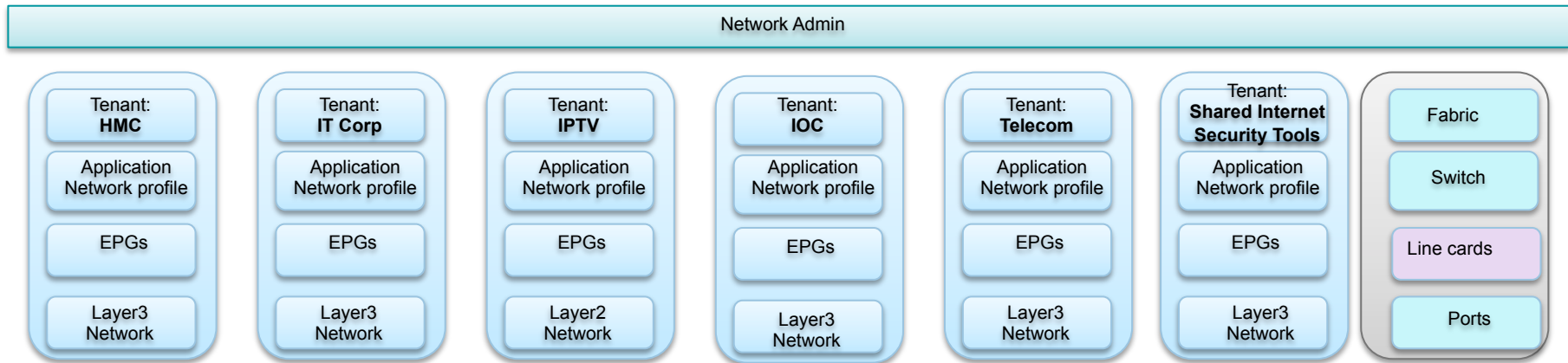
Inventory Quick Start Topology Pod 1 Fabric Membership Unmanaged Fabric Nodes Unreachable Nodes Disabled Interfaces and Decommissioned Switches

Topology

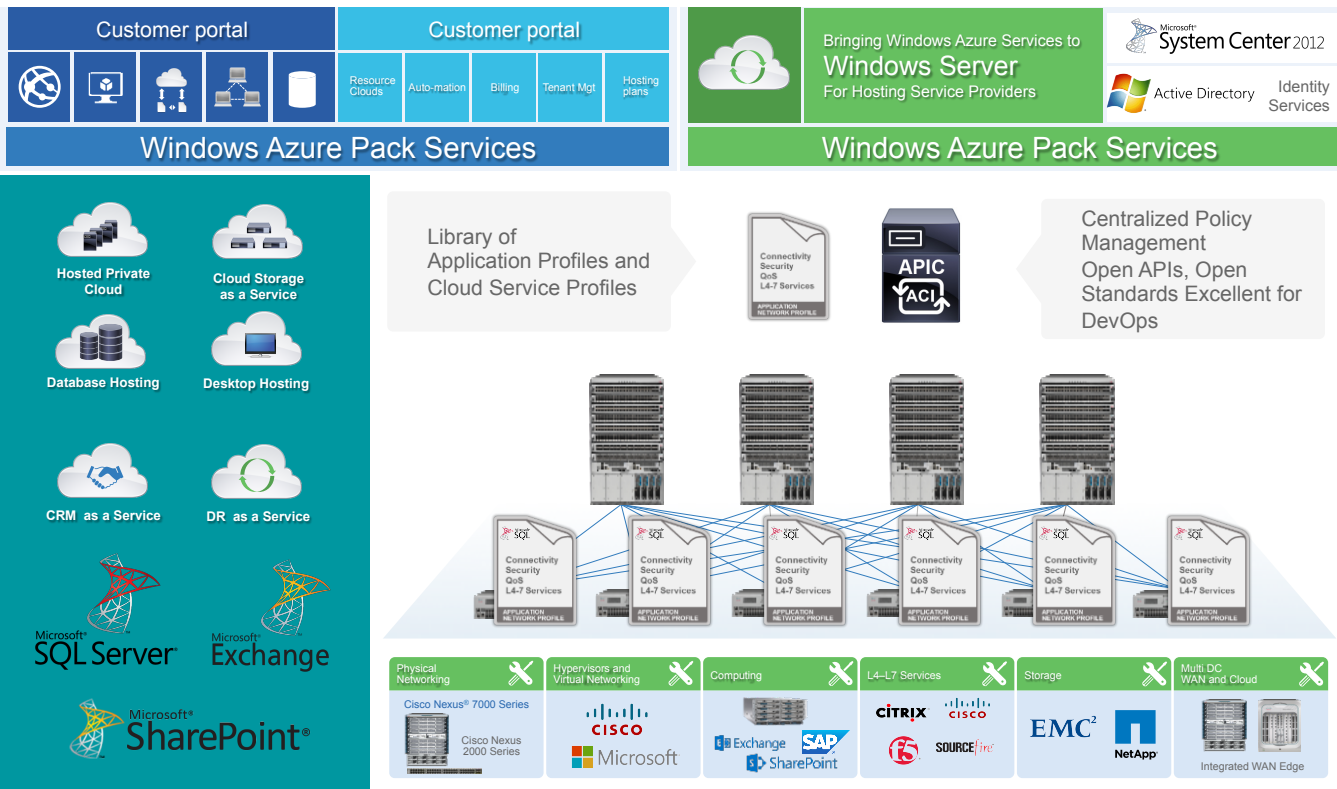
The diagram illustrates a complex network topology. At the top, two server racks are labeled 'DWS-AEY-PI-M1-430320-SFN-A0000-1' and 'DWS-AEY-PI-M1-430320-SFN-A0000-2'. Below them, a dense grid of switches is arranged in 10 rows and 10 columns. Each switch is labeled with a unique identifier, such as 'DWS-AEY-PI-M1-430320-LE1-A0000-1' through 'DWS-AEY-PI-M1-430320-LE10-A0000-10'. At the bottom, three blue server icons are labeled 'DWS-AEY-PI-M1-430320-SFN-A0000-1', 'DWS-AEY-PI-M1-430320-SFN-A0000-2', and 'DWS-AEY-PI-M1-430320-SFN-A0000-3'. The switches are interconnected in a mesh pattern, with each switch connected to its immediate neighbors. The interface names on the switches are visible, such as 'E1/1', 'E1/2', etc.

Current System Time: 2014-08-08 T18:29 +00:00

ACI Модель тенантов



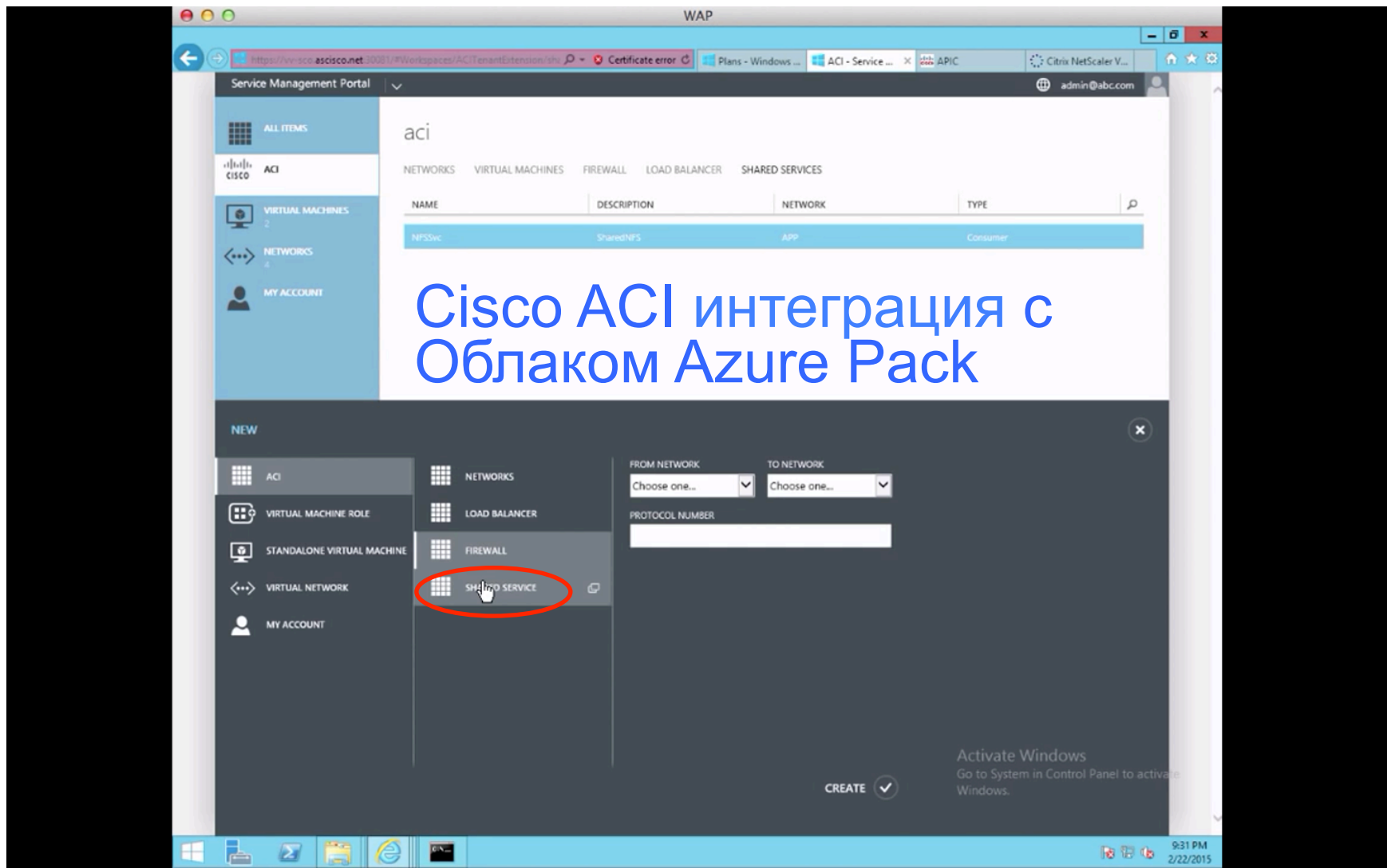
Представляем компоненты Cisco Cloud Architecture для Облачной платформы Microsoft



Cloud Service Portals
Hyper-Automation
Orchestrated Workloads

Industry-Leading
10/40/100-Gbps
Programmable Fabric

Infrastructure Endpoints
Physical and Virtual



Thank you.





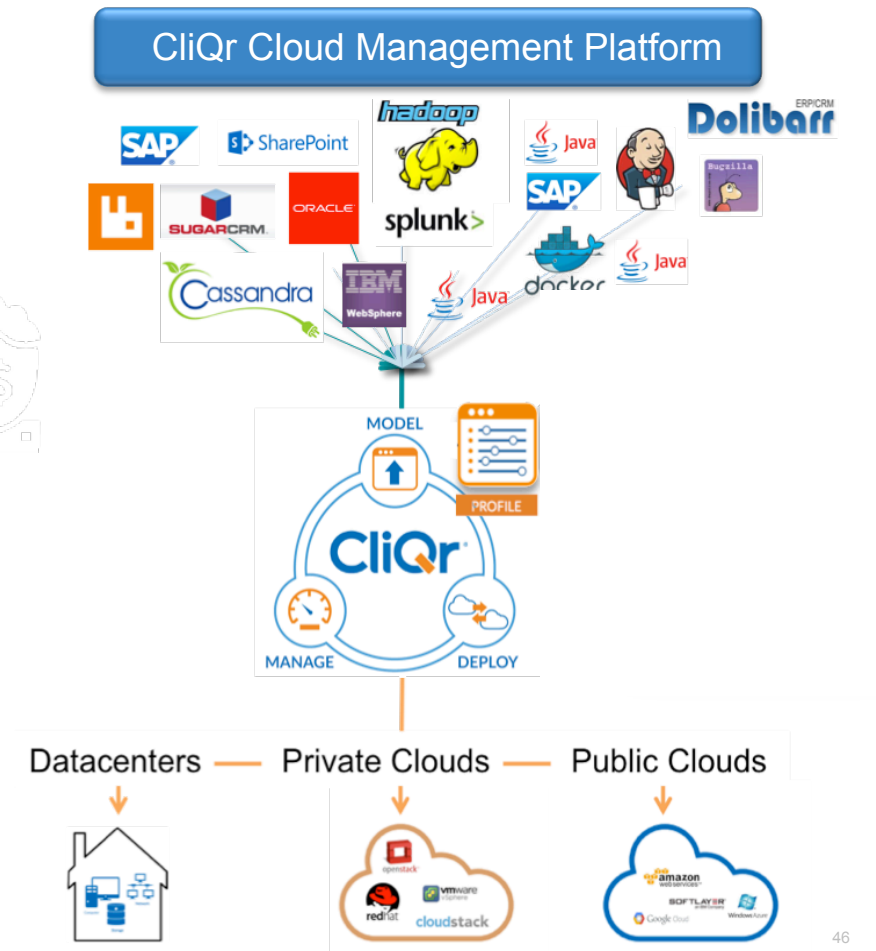
March 1, 2016: Cisco is announcing its intent to acquire CliQr Technologies Inc., a privately-held company based in San Jose, CA that provides an application-defined cloud orchestration platform to model, deploy and manage applications across bare metal, virtualized and container environments.



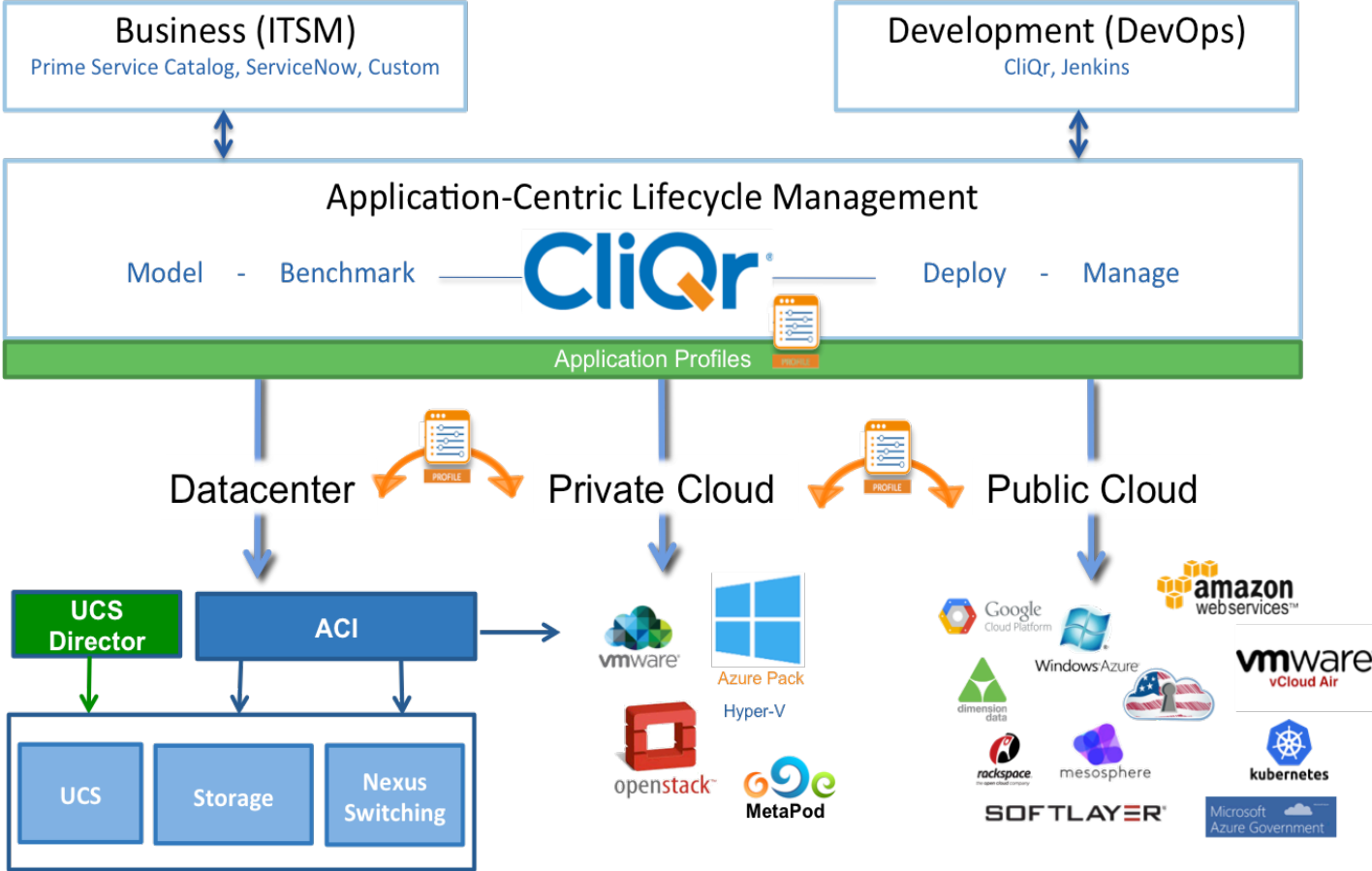
Why CliQr? Hybrid Cloud Orchestration

- Single Integrated Management Platform
- Full Application Lifecycle
- Scalable and Secure
- Portable and Manageable

...to and between any datacenter or cloud

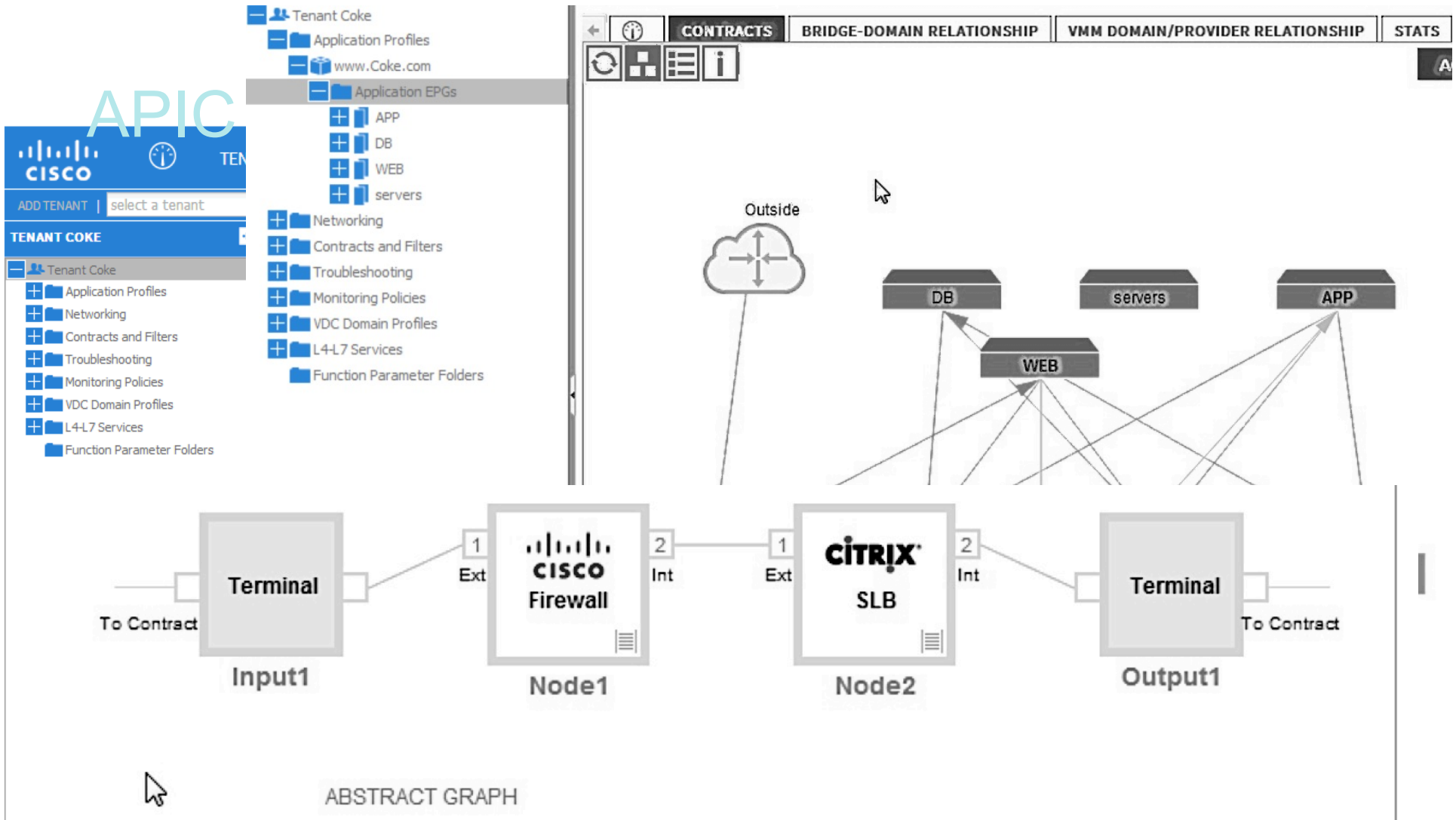


Working Together: End-to-end Orchestration



Video

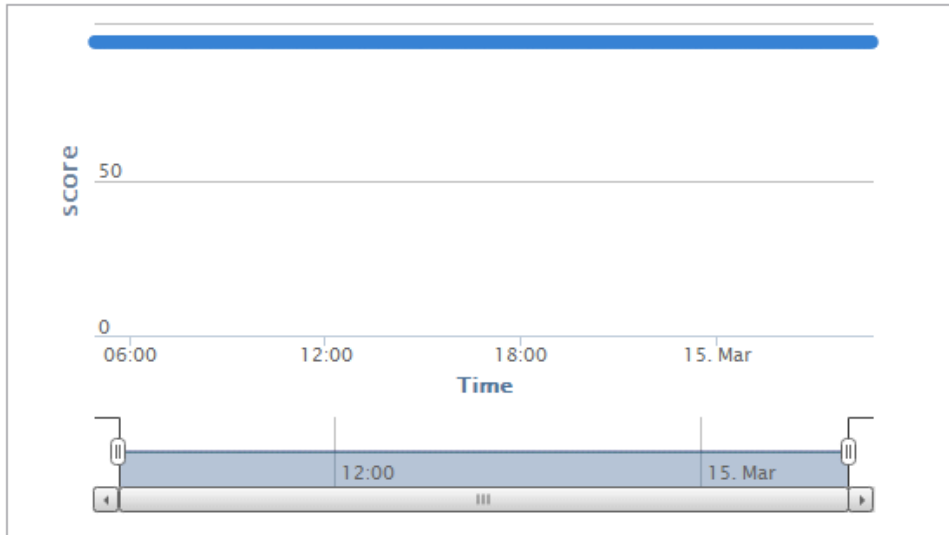
APIC





System Health

94



Nodes With Health ≤ 99

99

Name	Type	Health Score
Leaf1	leaf	94
Leaf2	leaf	94

Fault Counts By Domain

Fault Level:				
SYSTEM WIDE	0	15	22	10
Access	0	4	0	0
External	0	0	0	0
Framework	0	0	0	0
Infra	0	7	0	10
Management	0	0	4	0
Security	0	0	0	0
Tenant	0	4	18	0

Fault Counts By Type

Fault Level:				
Communicati...	0	4	0	0
Config	0	4	22	10
Environmental	0	0	0	0
Operational	0	7	0	0



System

Tenants

Fabric

VM
Networking

Admin

Operations



Basic M
welco
vpodkory6

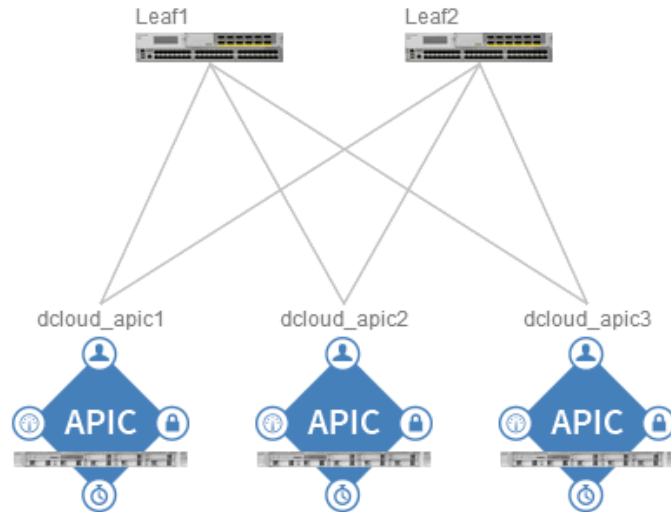
QuickStart | Dashboard | Controllers | System Settings | In Band & Out Of Band | Faults

Controllers



Controllers

Controllers





Controllers

- Controllers
 - dcloud_apic1 (Node-1)
 - Cluster as Seen by Node
 - Interfaces
 - Equipment Fans
 - Power Supply Units
 - Equipment Sensors
 - dcloud_apic2 (Node-2)
 - dcloud_apic3 (Node-3)

Cluster as Seen by Node



Properties

Fabric Name: **dcloud_aci1**

Target Size: 3

Current Size: 3

Difference Between Local Time and Unified Cluster Time (ms): **376637**

ACI Fabric Internode Secure Authentication Communications: **Permissive**

Controllers

ID	Name	IP	Admin State	Operational State	Health State	Serial Number	SSL Certificate
1	dcloud_apic1	10.0.0.1	In Service	Available	Fully Fit	FCH1840V0...	yes
2	dcloud_apic2	10.0.0.2	In Service	Available	Fully Fit	FCH1840V0...	yes
3	dcloud_apic3	10.0.0.3	In Service	Available	Fully Fit	FCH1840V0...	yes

Unauthorized Controllers

Serial Number	State
---------------	-------

No items have been found.
Select Actions to create a new item.



Faults



Severity	Code	Count	Cause	Sample Fault Description
	F0103	3	port-down	This fault occurs when a physical interface on a controller is in the link-down state.
	F0475	4	interface-tunn...	This fault occurs when destination becomes unreachable.
	F0135	4	unsupported-...	This fault is raised when remote or external disruptive EPG operations are performed on the Controller.
	F606348	4	fsm-failed	Task or FSM failure on object of class compvNicPDDef
	F0053	4	configuration-...	This fault occurs when a configuration export/import job fails.
	F0467	16	configuration-...	This fault occurs when an End Point Group is incompletely or incorrectly configured.
	F0523	2	configuration-...	This fault occurs when an End Point Group is incompletely or incorrectly configured.
	F0874	1	resolution-fail...	The object refers to an object that was not found.
	F1014	1	resolution-fail...	The object refers to an object that was not found.
	F0952	1	resolution-fail...	The object refers to an object that was not found.
	F1345	1	resolution-fail...	The object refers to an object that was not found.
	F1348	1	resolution-fail...	The object refers to an object that was not found.
	F0867	1	resolution-fail...	The object refers to an object that was not found.
	F1011	1	resolution-fail...	The object refers to an object that was not found.



System

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Basic M

welco

vpodkory6

ALL TENANTS | Search: vpod | common | infra | mgmt | vpodkory680

Tenant vpodkory680

All Tenants



ACTIONS ▾

Name	Description	Bridge Domains	VRFs	EPGs	Health Score
_openstack_dcloud_tet		19	2	0	100
admin		0	0	0	100
citrixvpx		3	2	4	100
common		3	4	0	100
infra		1	1	1	98
iSCSI		2	1	2	98
mgmt		1	1	0	100
test		1	1	1	100
vpodkory680		1	1	2	100



System

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Basic M
welco
vpodkory6

Inventory

Inventory

Topology

Pod 1

Fabric Membership

Unmanaged Fabric Nodes

Unreachable Nodes

Disabled Interfaces and Decommissioned

VLAN Domains

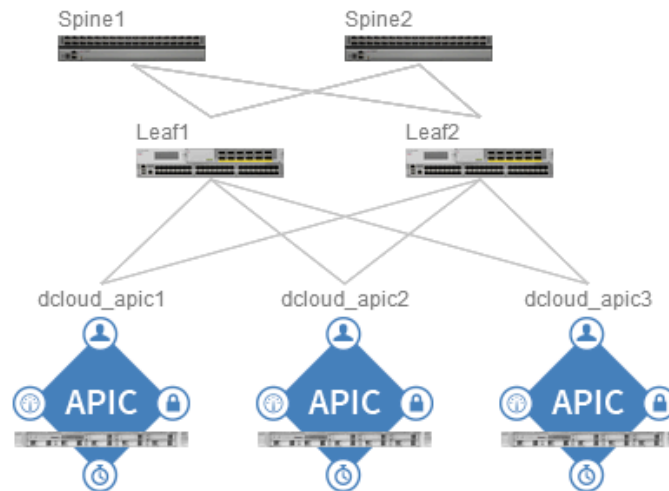
VXLAN

Multicast Address

Topology - Spines: 2 - Leaves: 2

Topology

Config



Topology - Spines: 2 - Leaves: 2



Topology

Configure

- Topology
- Pod 1
- Fabric Members
- Unmanaged Fa
- Unreachable N
- Disabled Interfa
- VLAN Domains
- VXLAN
- Multicast Addre

BACK TO TOPOLOGY

ADD SWITCHES

REFRESH

- Port Channel
- L3
- VPC
- Conn. to

01	03	05	07	09	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47
02	04	06	08	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48

101/1/16

Summary

Port Channels

Virtual Port Channels

Fabric E

Switch	Ports
101	1/4
102	1/5

Switch 1 Ports Switch 2 Ports

Switch

CONFIGURE PORT

CLEAR PORT CONF.

CONFIGURE PC

DELETE PC

CONFIGURE VPC

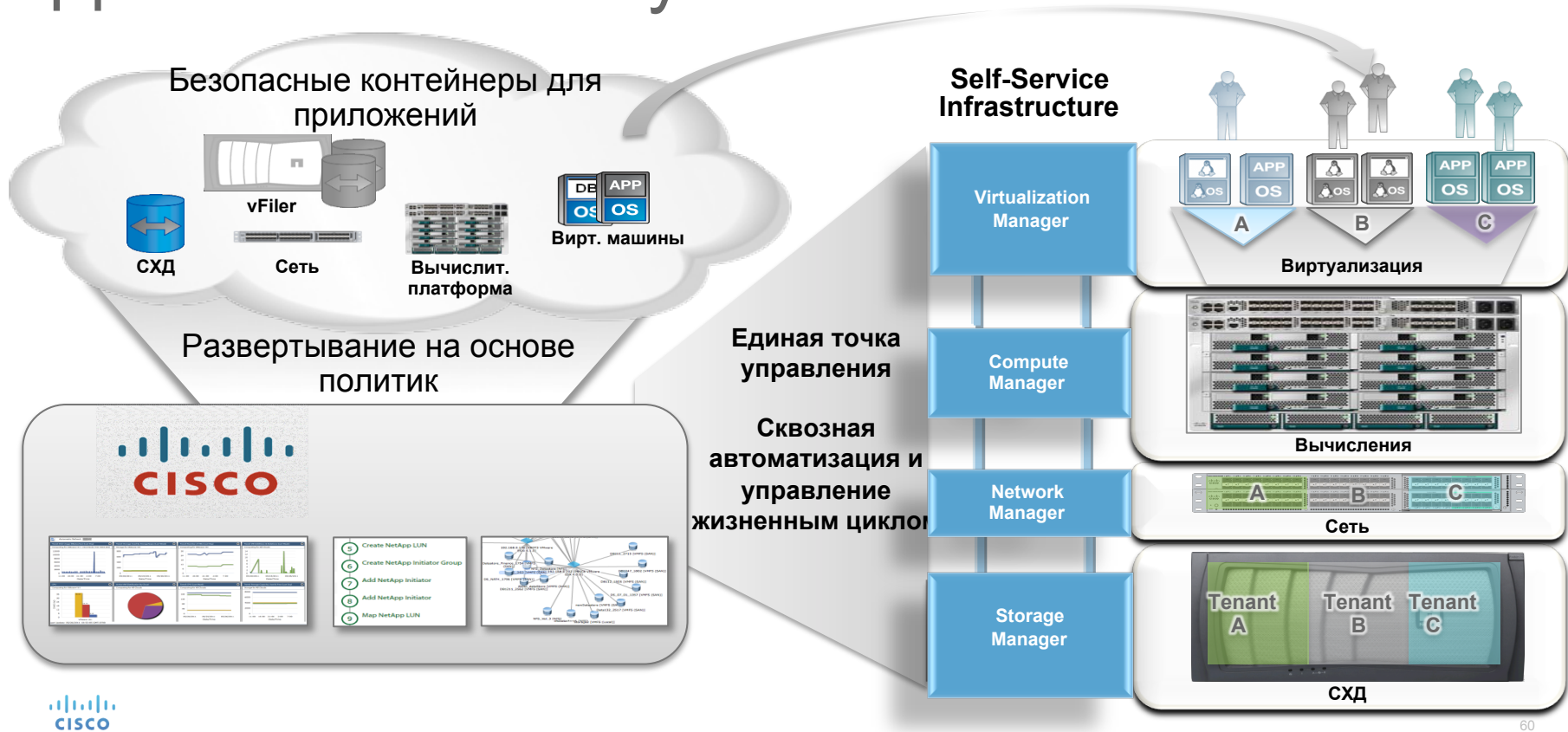
DELETE VPC

CONNECT TO FEX

DELETE FEX

Несколько слов о UCS Director

Для чего используется UCS Director?



Cisco UCS Director

Скорость и простота управления



Конечные пользователи



IT администраторы



IT Поддержка

Открытый API
для интеграции



Портал
самообслуживания

Консоль управления

Dashboard

UCS Director

Развертывание ОС
и вирт. машин

Управление на
основе политик

Пулы ресурсов

Физическая инфраструктура



Виртуальная инфраструктура



Централизованное управление жизненным циклом
виртуализированной и физической инфраструктуры

Комплексный сценарий использования ACI и UCS Director

Автоматизация при помощи APIC, UCS, UCS Director

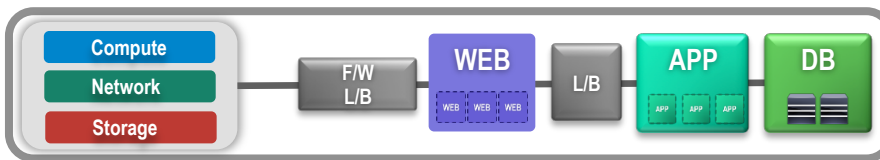
Пользователь



Выбор приложения

1

Application Profile

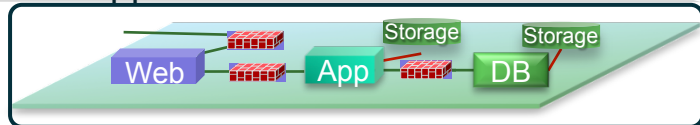


Профиль приложения

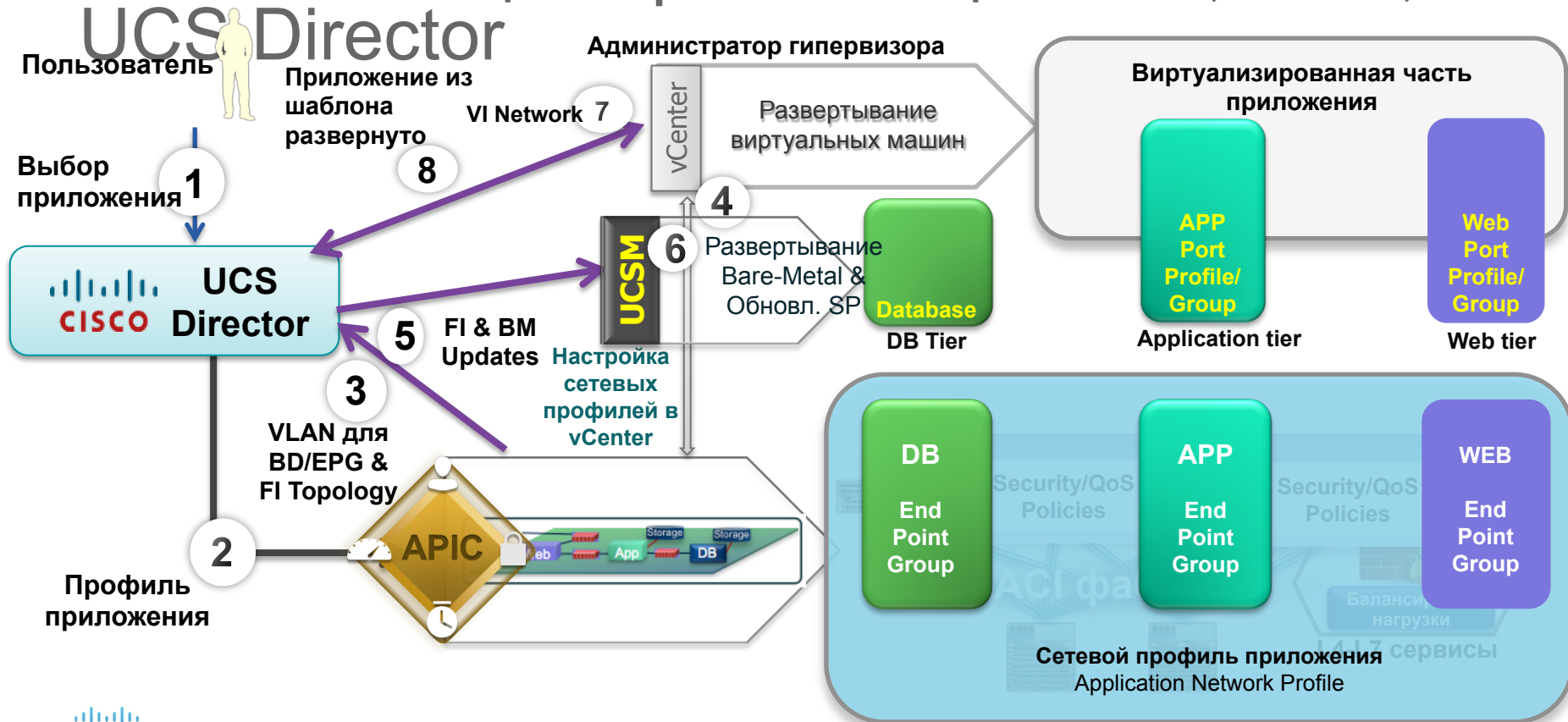
2

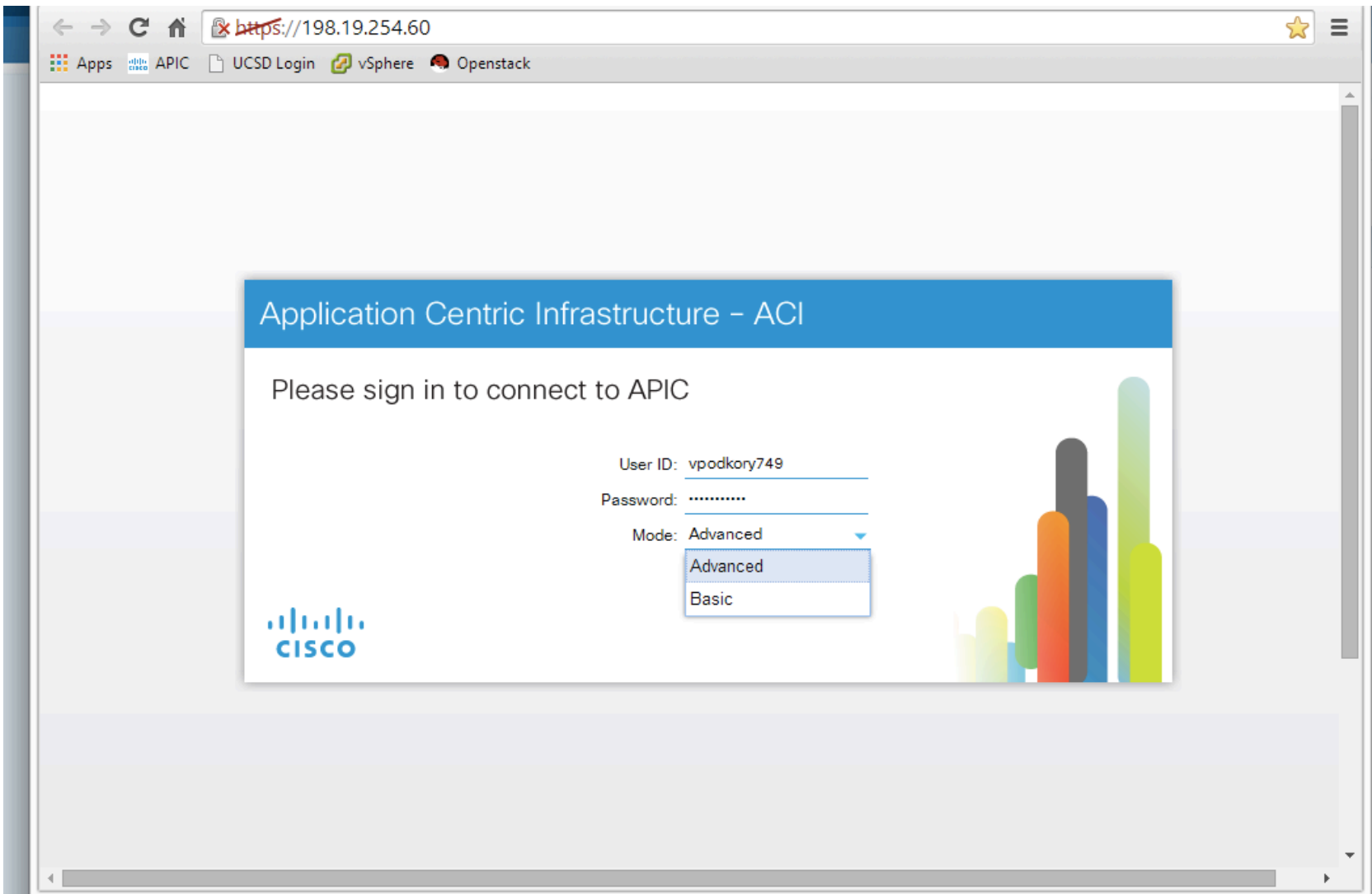


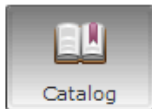
APIC Application Network Profile



Автоматизация при помощи APIC, UCS, UCS Director







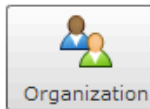
Catalog



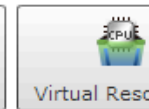
Services



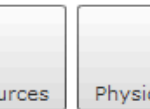
Approvals



Organization



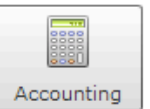
Virtual Resources



Physical Resources



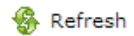
Accounting



CloudSense™

Catalog

Catalog



Refresh

Catalog



[Top](#) > ACI Operations



Deploy 3-Tier App - VMware/OSP




Deploy 3-Tier App VMware

Total 2 items

Service Request

Status

 Refresh

▼ Overview

Request ID	1668
Request Type	Advanced
Workflow Name	VMware 3 Tier Workflow v2
Workflow Version Label	0
Request Time	03/15/2016 13:44:43 GMT+0000
Request Status	In Progress
Comments	

▼ Ownership

Group	vpodkory680
Initiating User	vpodkory680

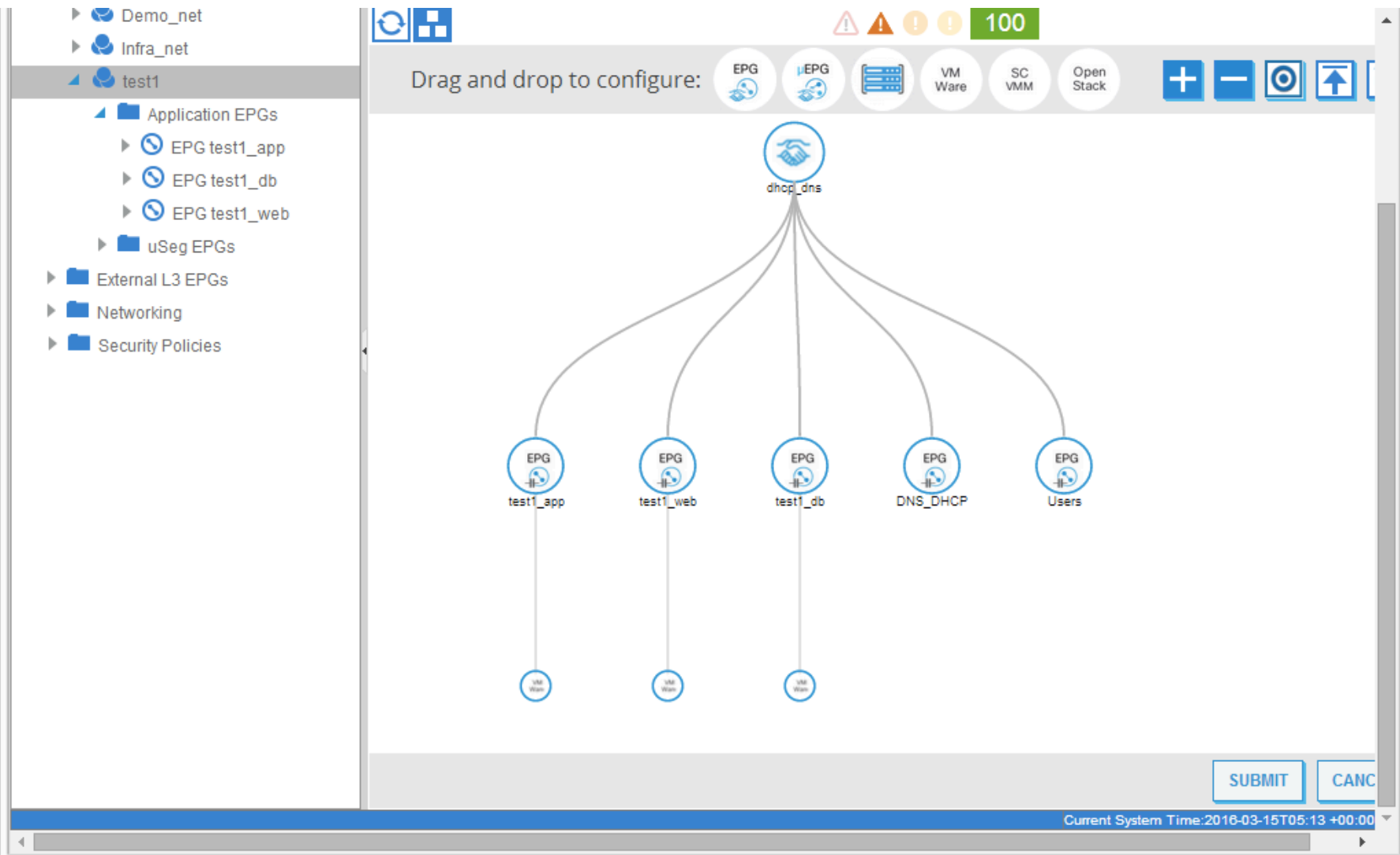
▼ Catalog Information

Catalog Name	Deploy 3-Tier App VMware
Catalog Description	

Current status for the service request.


- 1 Initiated by vpodkory680 03/15/2016 13:44:46
- 2 Create 3 Tier component names 03/15/2016 13:45:03
- 3 Gets existing tenant Id, BD id and wkst/dn... 03/15/2016 13:45:12
- 4 Create Application Profile 03/15/2016 13:45:20
- 5 Create Web EPG 03/15/2016 13:46:44
- 6 Create App EPG 03/15/2016 13:48:11
- 7 Create DB EPG 03/15/2016 13:49:35
- 8 Add Contract To EPG
- 9 Add Contract To EPG
- 10 Add Contract To EPG
- 11 Create Web Contract
- 12 Create Web Contract Subject

Close



Service Request

Status

 Refresh

▼ Overview

Request ID	1668
Request Type	Advanced
Workflow Name	VMware 3 Tier Workflow v2
Workflow Version Label	0
Request Time	03/15/2016 13:44:43 GMT+0000
Request Status	In Progress
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Group	vpodkory680
Initiating User	vpodkory680

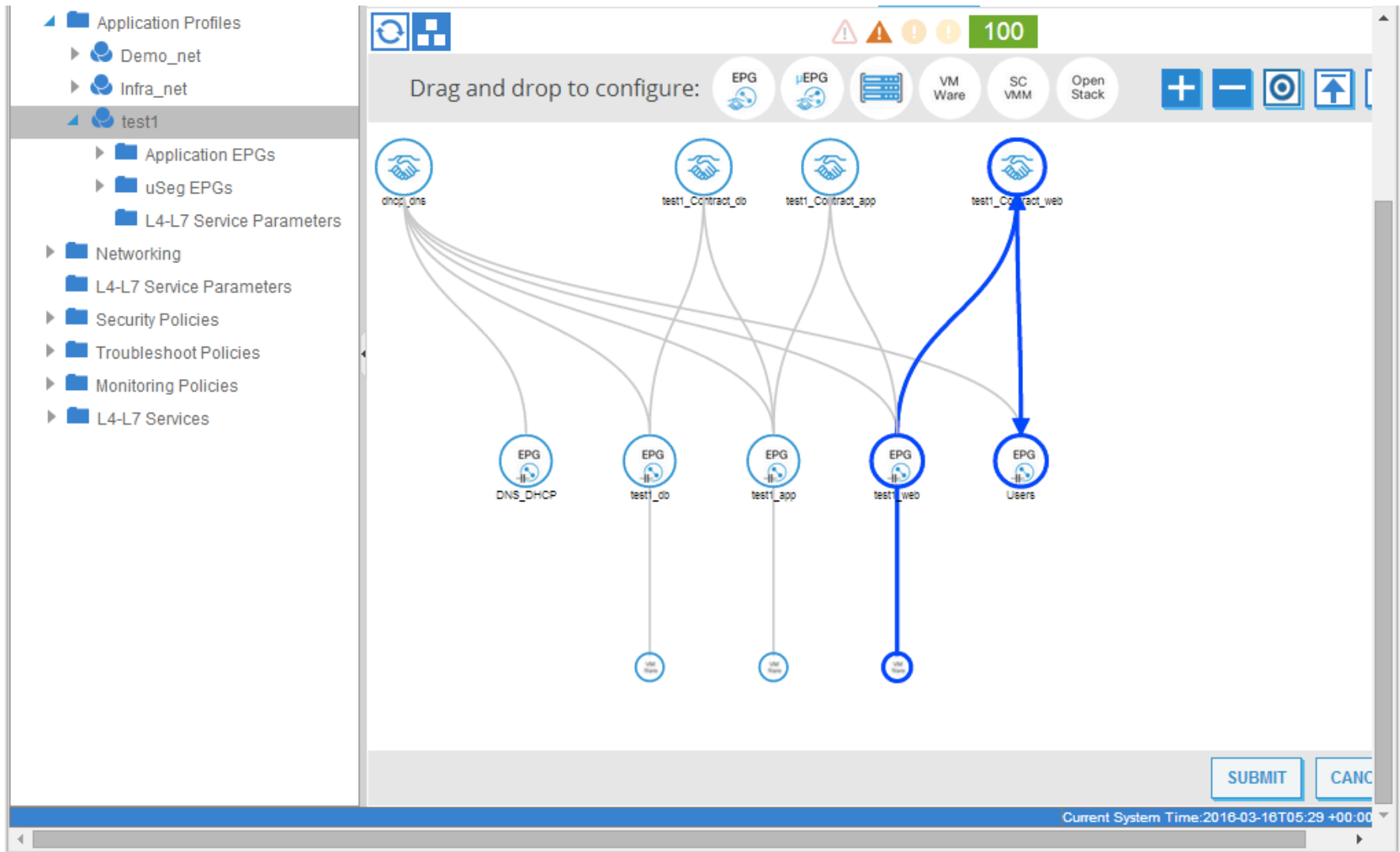
▼ Catalog Information

Catalog Name	Deploy 3-Tier App VMware
Catalog Description	

Current status for the service request.

- 24 Add Web Filter to Contract Subject 03/15/2016 13:52:15
- 25 Add App Filter To Contract Subject 03/15/2016 13:52:26
- 26 Add DB Filter to Contract Subject 03/15/2016 13:52:41
- 27 Add Web Contract EPG - Consumed 03/15/2016 13:52:53
- 28 Add Web Contract EPG - Provided 03/15/2016 13:53:08
- 29 Add App Contract EPG - Consumed 03/15/2016 13:53:19
- 30 Add App Contract EPG - Provided 03/15/2016 13:53:34
- 31 Add DB Contract EPG - Provided 03/15/2016 13:53:46
- 32 Add DB Contract EPG - Consumed 03/15/2016 13:54:01
- 33 Add Contract To EPG 03/15/2016 13:54:13
- 34 Child workflow (Launch 3-Tier App)
- 35 Complete

Close



Edit Contract With L4-L7 Service Graph

STEP 1 > Contract

Edit A Contract Between EPGs

EPGs Information

Consumer EPG / External Network: Users

Provider EPG / External Network: test1_web

Contract Information

Name: test1_Contract_web

Filter Entries:

Name	EtherType	ARP Flag	IP Protocol	Match Only Fragmen	Stateful	Source Port / Range		Destination
						From	To	From
http	IP		tcp	False	False	unspecified	unspecified	http
https	IP		tcp	False	False	unspecified	unspecified	https

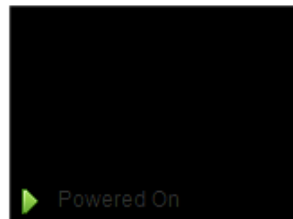
tcp

L4-L7 Service Information

- VMs and Templates
- 1728_test1_web_1
- Networks 1
- Datastores 1

1728_test1_web_1 Actions

Getting Started Summary Monitor Manage Related Objects



- Launch Console
- Open with VMRC
- Download VMRC

1728_test1_web_1

Guest OS: Red Hat Enterprise Linux 6 (64-bit)

Compatibility: ESXi 5.0 and later (VM version 8)

VMware Tools: Running, version:9354 (Current)

DNS Name: test1web1

IP Addresses: 198.18.1.49

Host:

CPU USAGE 0.00 HZ

MEMORY USAGE 20.00 MB

STORAGE USAGE 2.53 GB

VM Hardware	
CPU	1 CPU(s), 0 MHz used
Memory	1024 MB, 20 MB used
Hard disk 1	10.00 GB
Network adapter 1	vpodkory749 test1 test1_web (connected)
CD/DVD drive 1	Disconnected
Video card	8.00 MB
Other	Additional Hardware
Compatibility	ESXi 5.0 and later (VM version 8)

VM Storage P	
VM Storage Polici	
VM Storage Policy	
Last Checked Da	

Tags	
Assigned Tag	

Recent Tasks

- All
 - Running
 - Failed
- My Tasks More Tasks

Work In Progress

- Alarms
- All (1)
 - New (1)
 - Ackno...
- citrixvnxIDemo nefl Users

http://198.18.1.49/

Favorites dCloud: test1web1

Bing

Home Print Page Safety Tools



Welcome to dCloud

Web Tier Server: test1web1

[Forwarding request to App Tier...]

App Tier Server: test1app1

[Forwarding request to DB Tier...]

Db Tier Server: test1db1

[Request received. Showing results...]

ID	Name	Surname	Phone
1	John	Doe	+44 1234 56 77
2	Juan	Perez	+44 1234 56 78
3	Dimitri	Dimitrovic	+44 1234 56 78



 dCloud