



Viavi Solutions

Enterprise Performance Management

Hybrid Cloud Monitoring

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Viavi Solutions



Globale Präsenz



45

Standorte



Lange in der Industrie

Wir geben die gesamte Erfahrung
an unsere Kunden weiter



3,200

Motivierte Mitarbeiter



\$900M

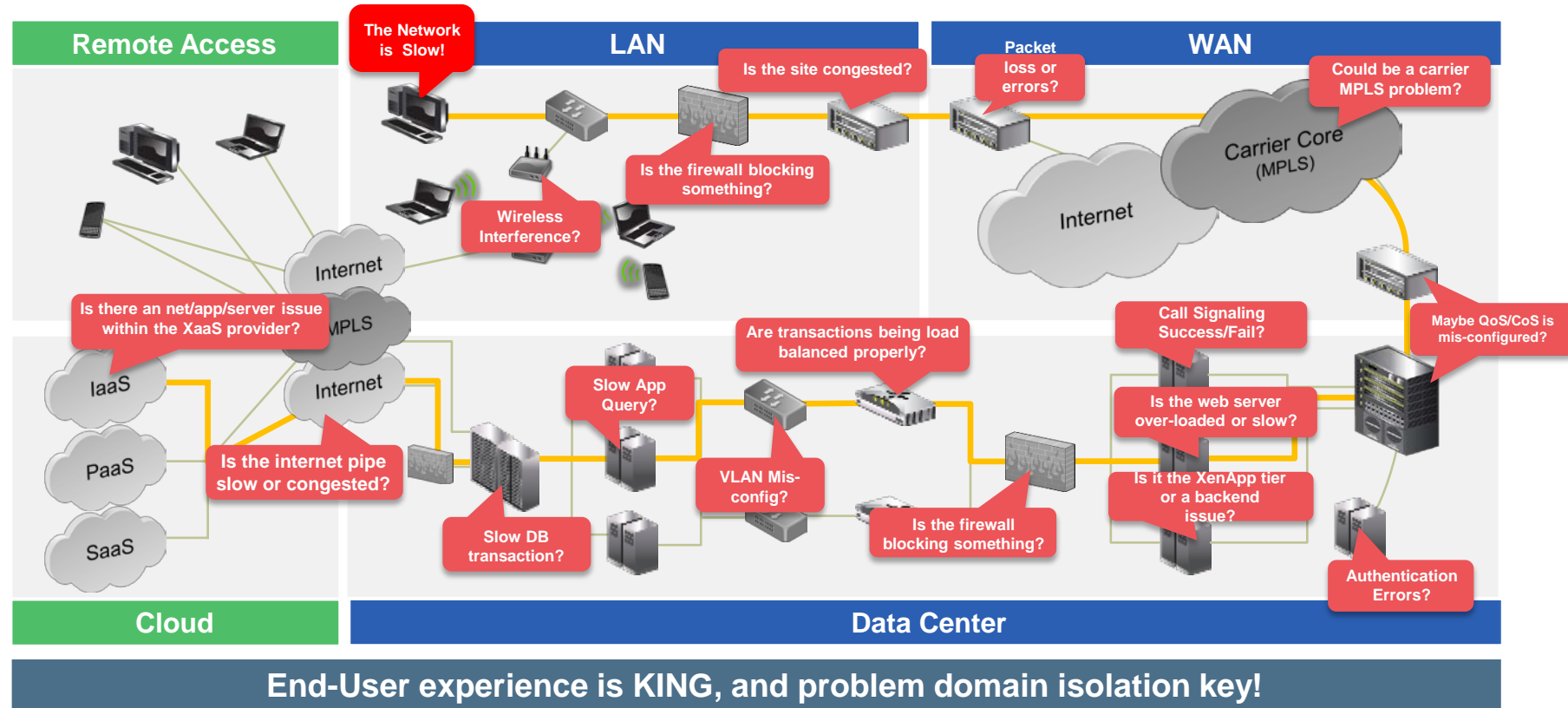
Umsatz in FY15



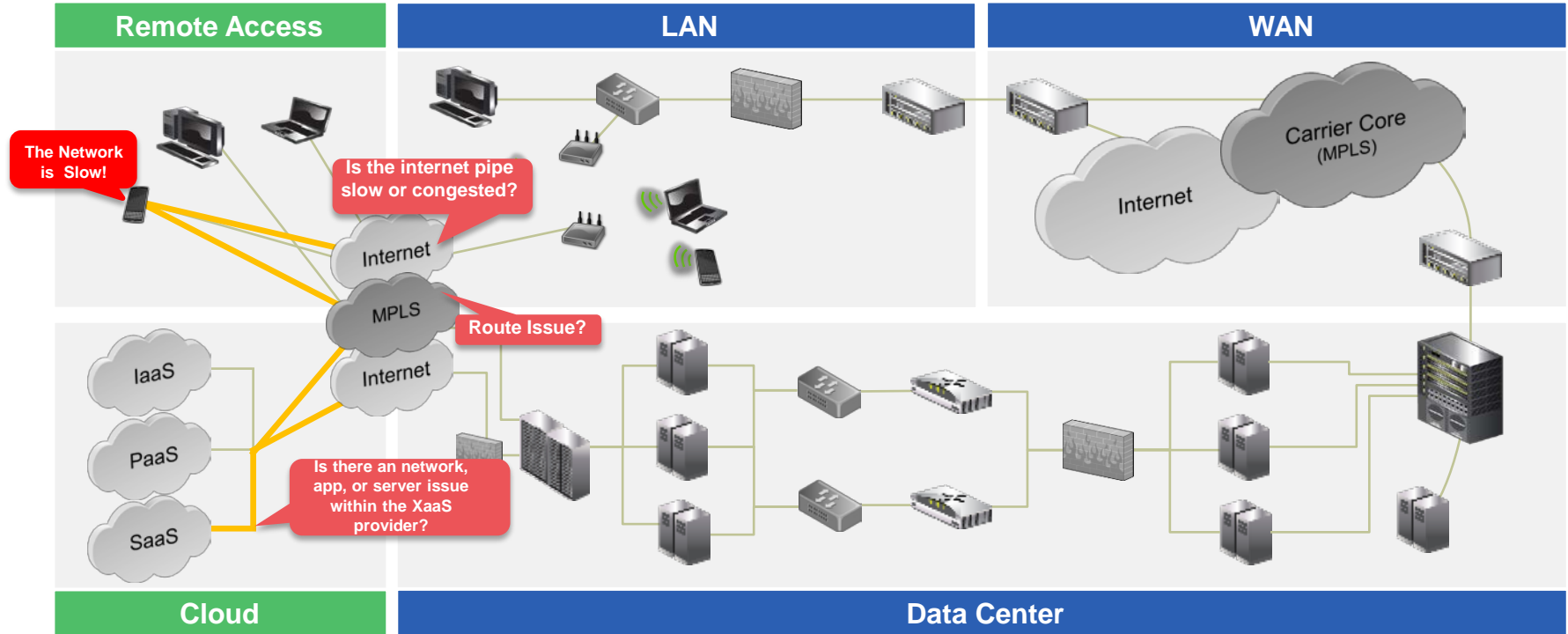
Verlässlicher Partner

von Service Providern
und Unternehmen
weltweit

Netzwerk ist langsam! Und nun?



Ok! Und jetzt?



End-User experience problems are no longer isolated to self-managed, self-contained enterprise networks!!

Die neue Welt

Neue Technologien und IT Services verändern die Unternehmen!



Cloud



Mobility/BYOD

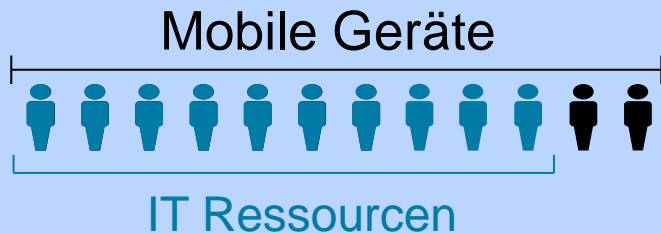


Virtualization



UC

Was treibt die Transformation?



1,3 Mrd. neue vernetzte
mobile Geräte in den
nächsten
3 Jahren! (Frost & Sullivan 2015)

Mobility



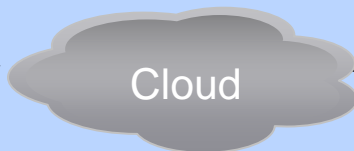
VoIP/Video



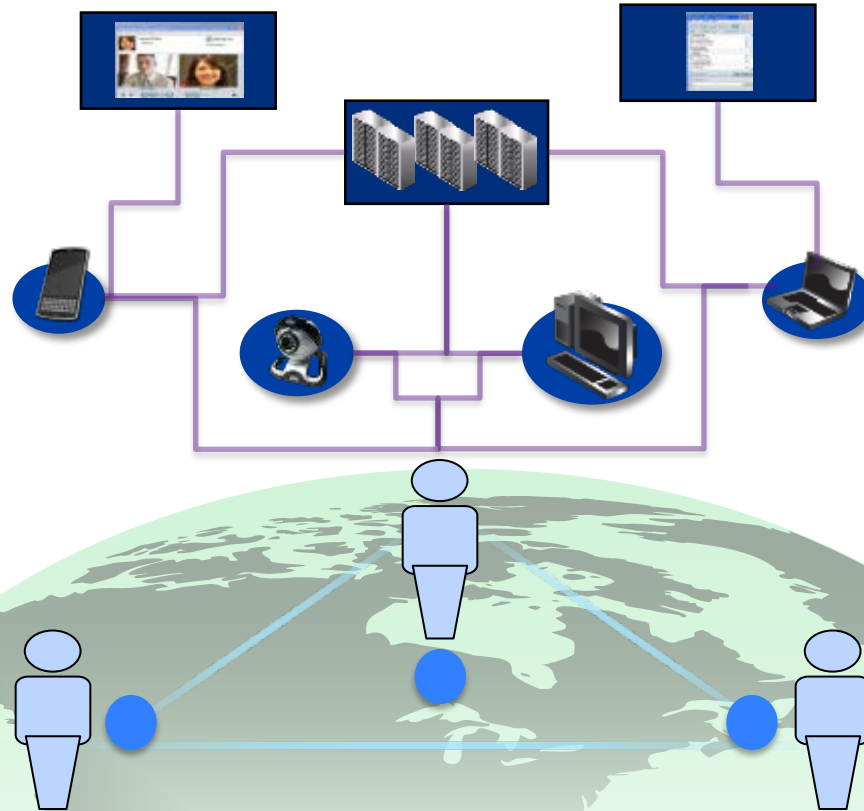
60% des heutigen
Netzwerktraffics ist
Voice/Video (Forrester 2014)

CloudaaS

Markt wird von \$58Mrd.
auf \$191Mrd. In den
nächsten 5 Jahren (KPMG
2015)



IT – wie man sie heute verstehen kann



Jede Ressource



Jedem Gerät

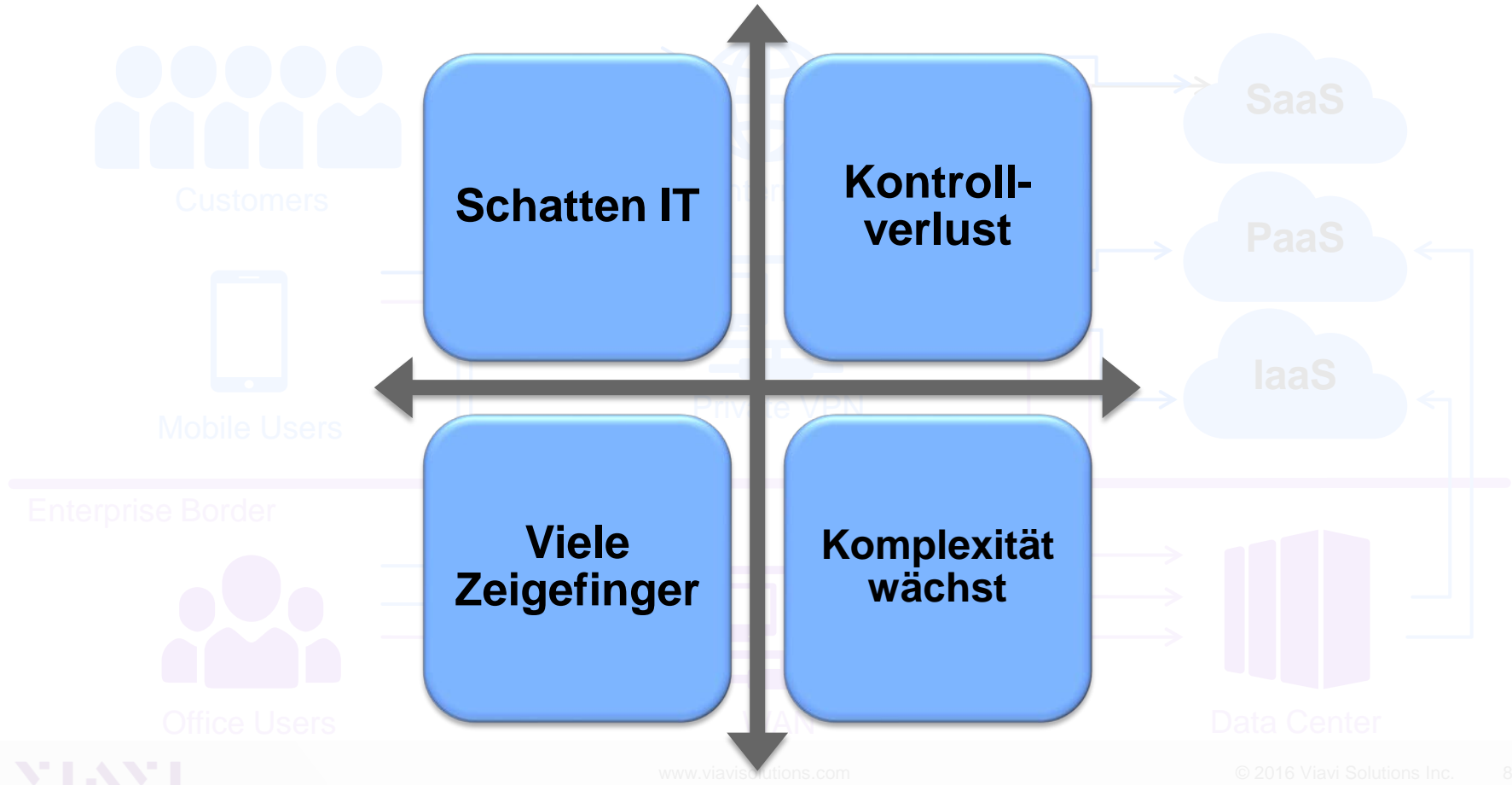


Jedem Ort



Jeder

The Borderless Enterprise





Performance Analyse und Monitoring

Performance Analyse mit GigaStor

- Performance Probleme und Sicherheitsbedrohungen werden permanent erfasst und können sofort reproduziert und analysiert werden
- Paketdaten können auch automatisch von anderen Tools angefragt werden
- Die MTTR wird in der Regel um 70% reduziert



Proaktives Monitoring mit APEX

- Aggregation der Paketdaten, um proaktiv Performanceprobleme zu erkennen

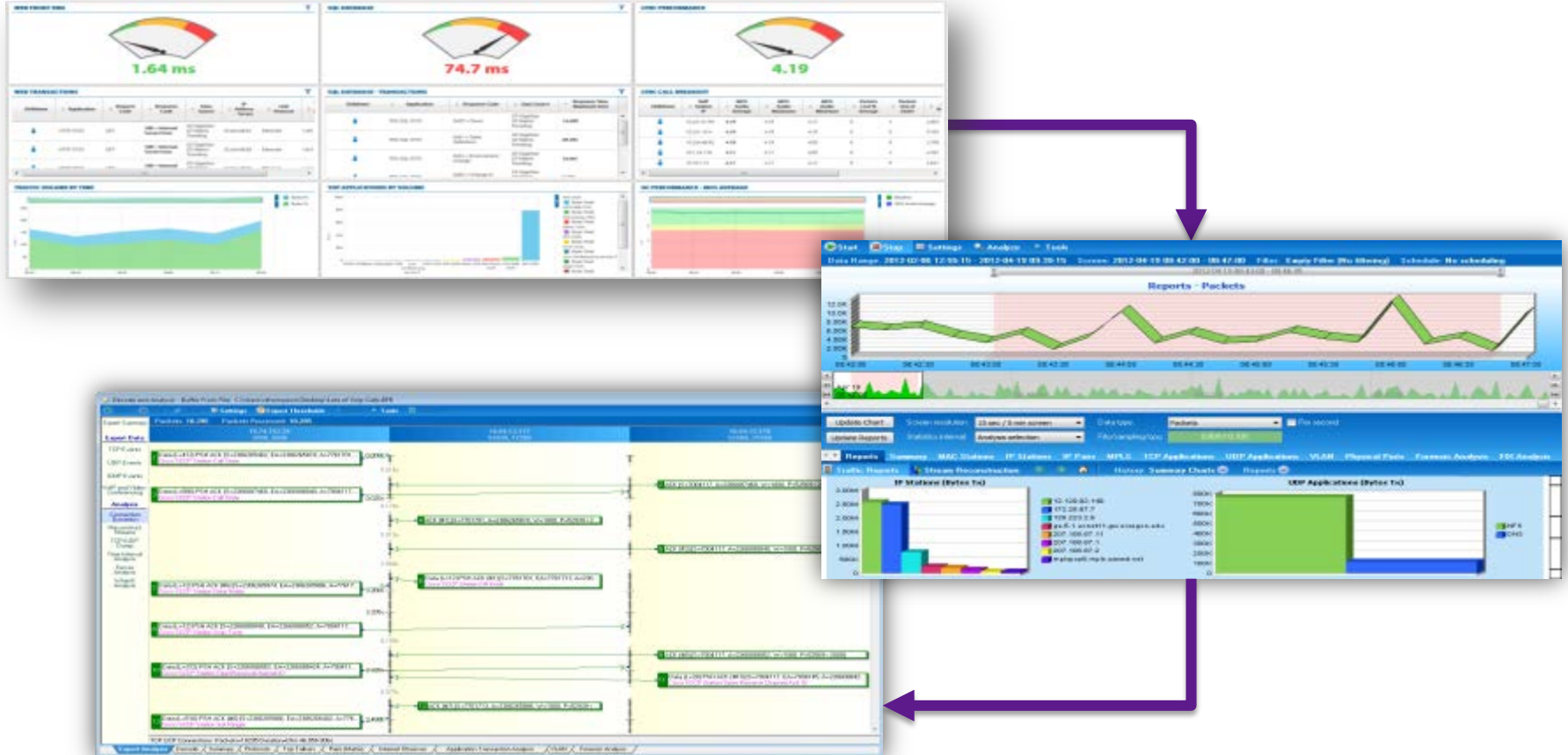


Baselining – Was ist normal und was nicht?



| Response Time Average (ms) Client -> Server | Response Time Average (ms) Client <- Server | Response Time Maximum (ms) | Response Time Maximum (ms) Client <- Server | Retransmissions Client -> Server | Retransmissions Client <- Server |
|---|---|----------------------------|---|----------------------------------|----------------------------------|
| 18.239 | 100.22 | 4643.7 | 1183.8 | 349 | 167 |
| 12.672 | 1142.3 | 3.184 | 4984.8 | 9.269k | 9.802k |
| 1.743 | 50.038 | 1.978 | 3122.3 | 2 | 43 |

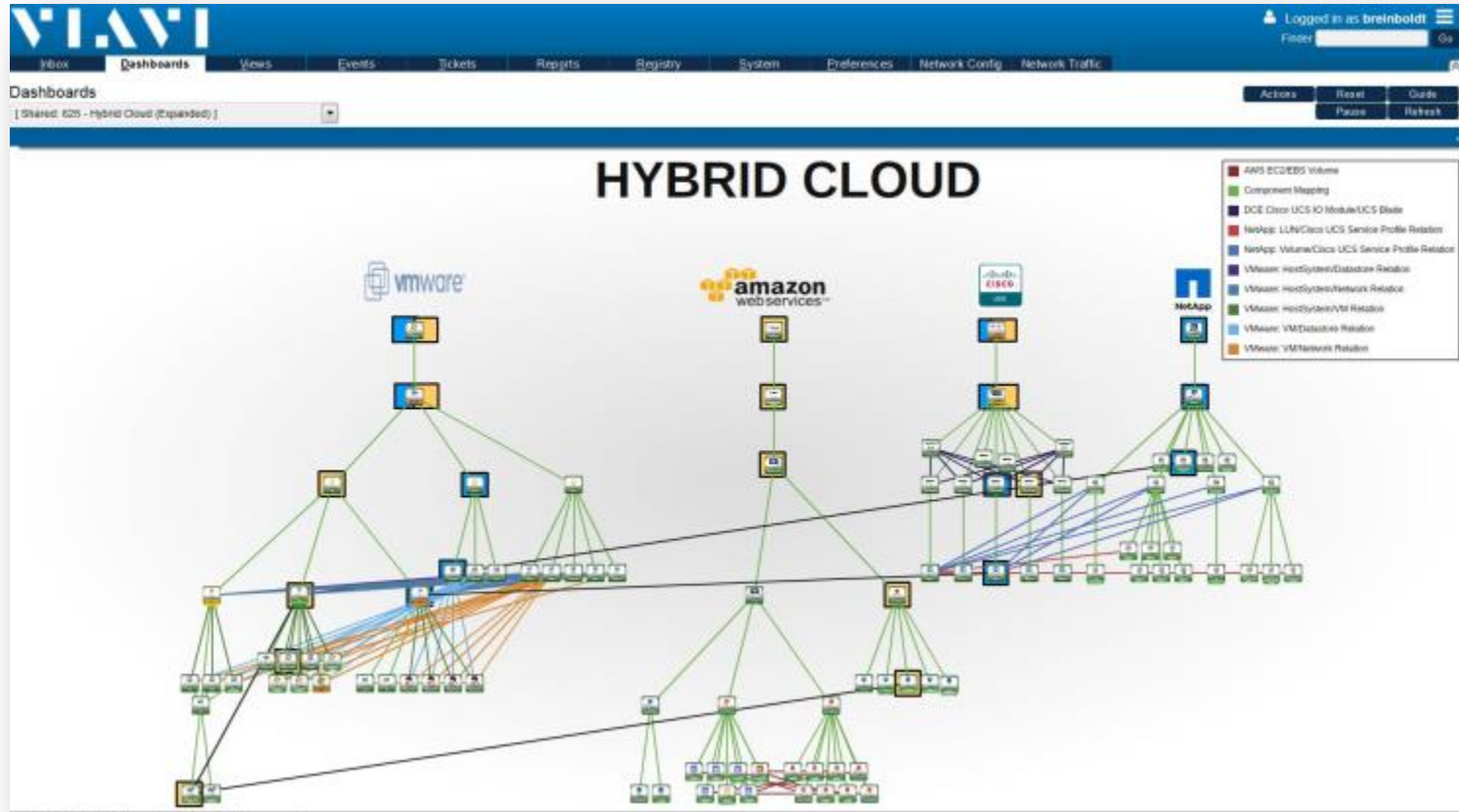
Einfache Workflows zur schnellen Problemeingrenzung



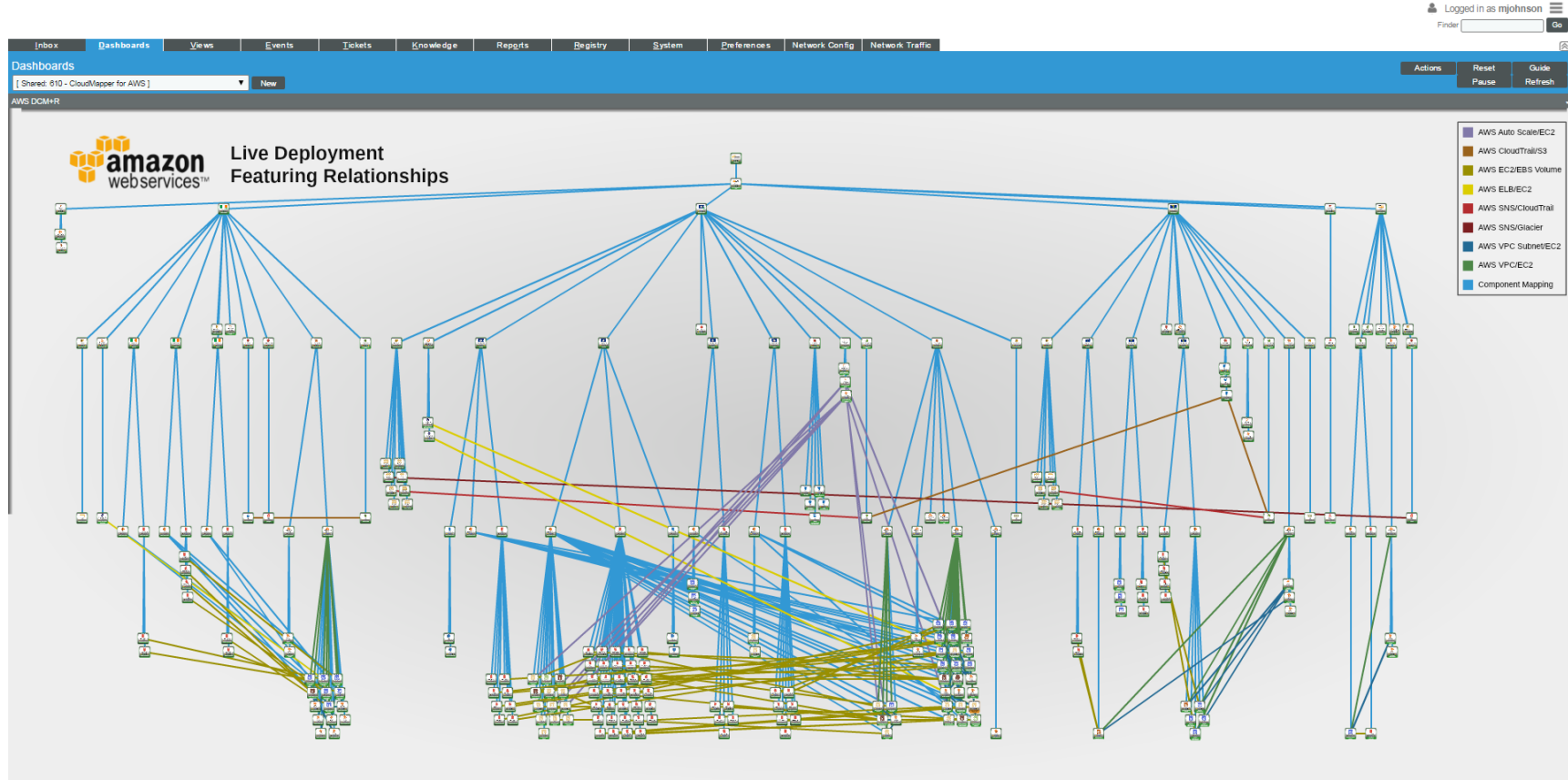


Hybrid Cloud Monitoring

Hybrid IT Monitoring – Observer SightOps

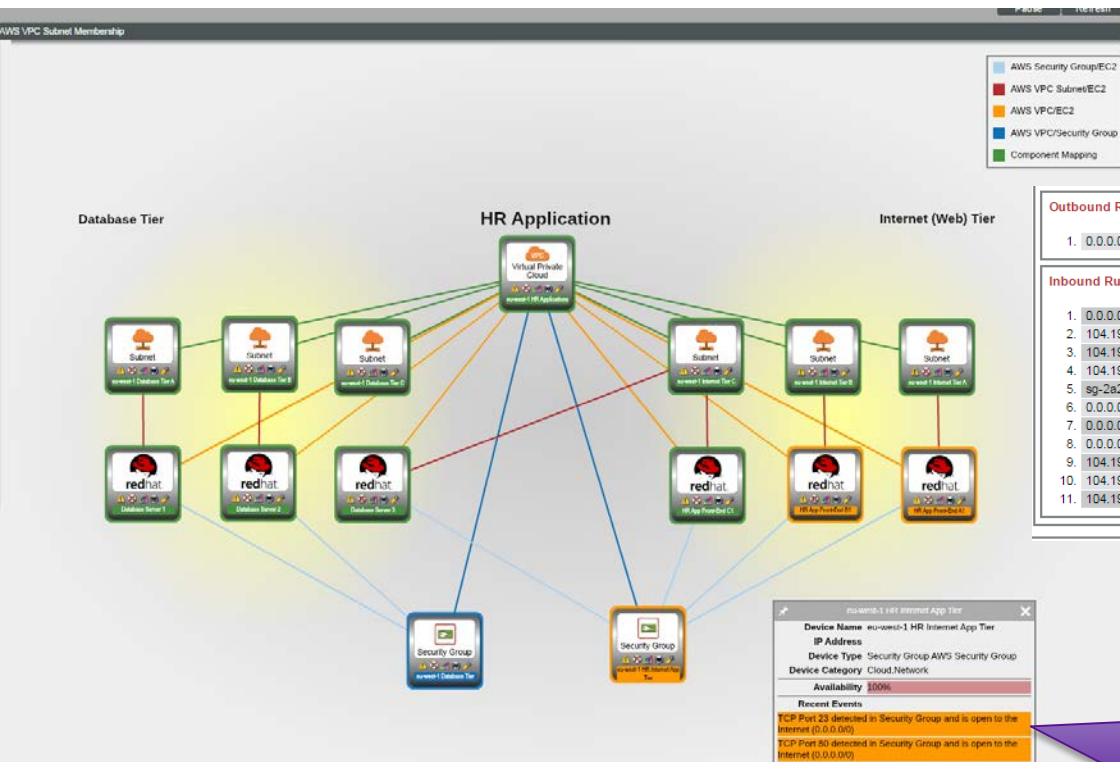


Multi-Cloud Support... Beispiel AWS



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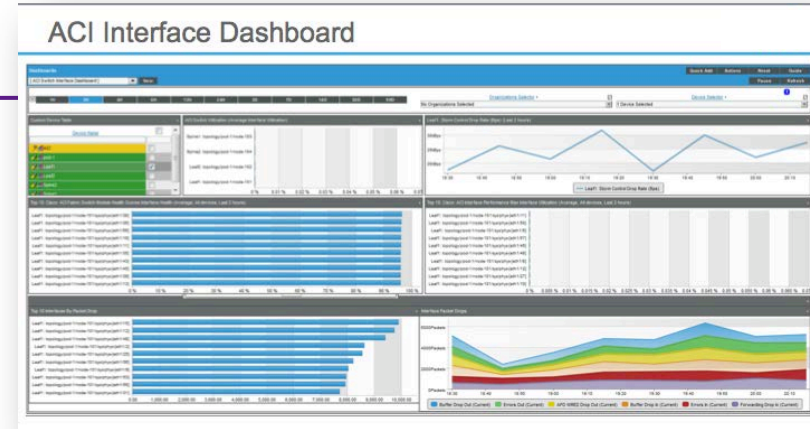
AWS – Security Konfiguration - Change Alerting



Überwache VPC Security
Einstellungen und alarmiere
mich bei Änderungen

SightOps für Cisco ACI

- Umfangreiche Discovery
- Automatisches Topologie-Mapping
- Echtzeit-Dashboards
- Eine Ansicht für Cisco ACI & die Bestand-Infrastruktur



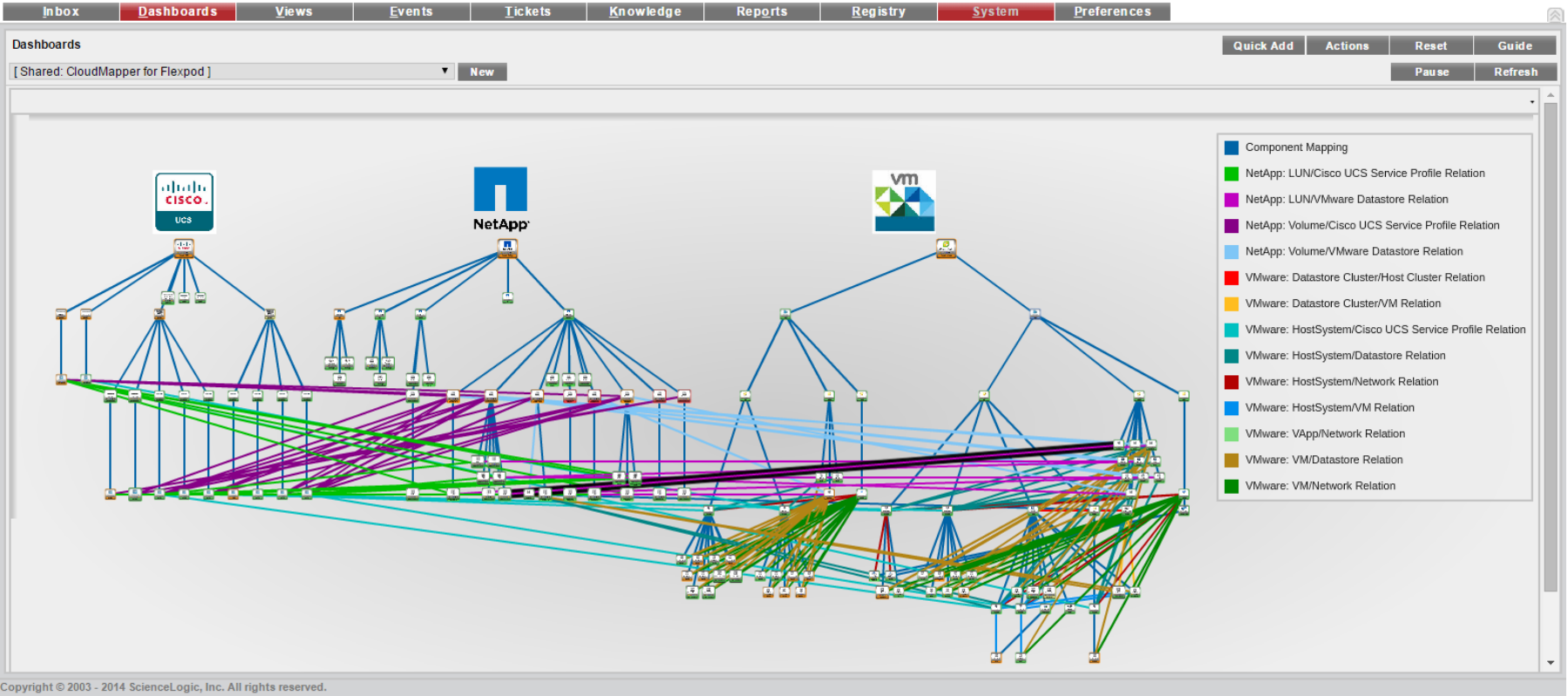
Automatische Anzeige von Beziehungen zwischen ACI Tenants und VMs





Converged Infrastructure

Einfaches Monitoring für Converged Infrastructure



Schnellere Fehlersuche durch Tier 1 Support anstatt Eskalation bis Tier 3

Logged in as mjohnson

Finder Go

Inbox Dashboards Views **Events** Tickets Knowledge Reports Registry System Preferences Network Config Network Traffic

Event Console | Events Found [69]

Custom View: Save Delete Search: Organization

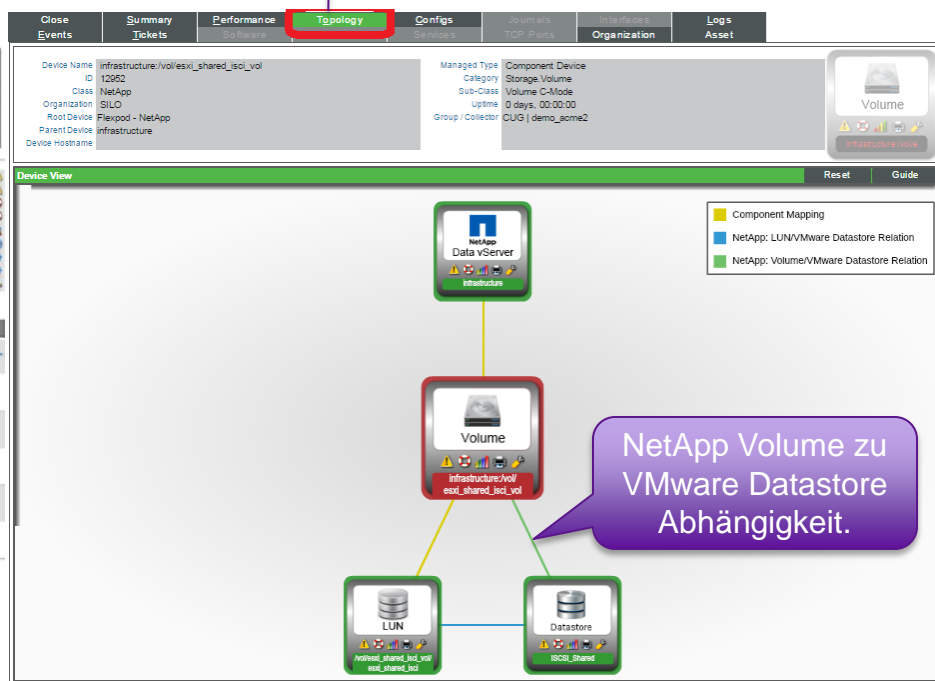
Actions Kiosk Reset Guide Pause Refresh

Refreshing in 291 secs

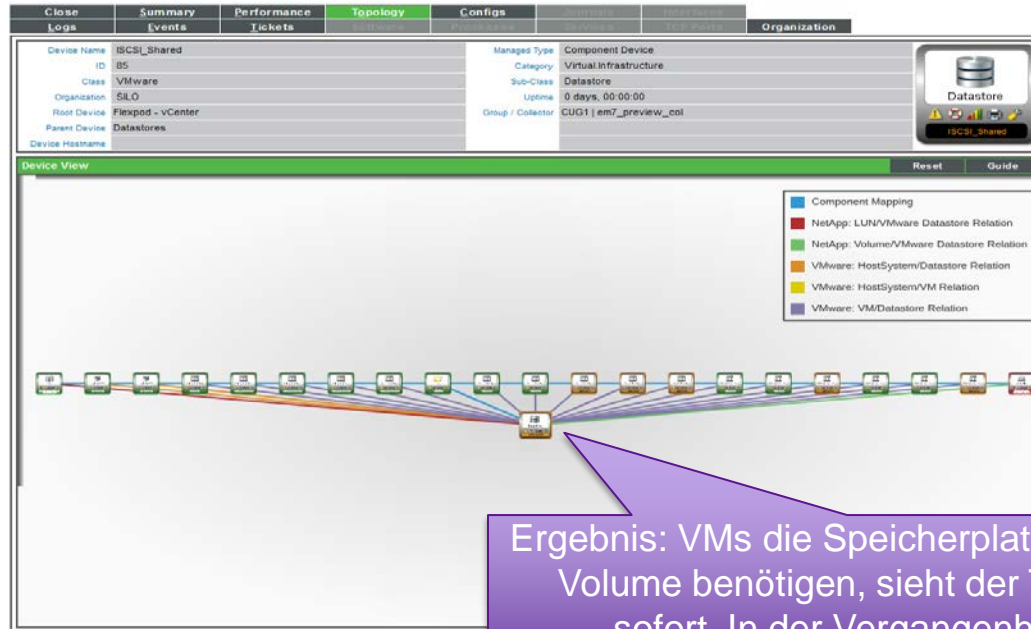
| Organization | Name | Event Message | Severity | Ticket | Last Detected | Count | Notify |
|--------------------|---------------------------------|--|----------|--------|---------------------|--------|--------|
| 1. SILO | infrastructure/vol/esxi_shared_ | NetApp: Volume Utilization 97.41% exceeded critical threshold 95% | Critical | 17017 | 2015-04-17 16:40:45 | 2,183 | -- |
| 3. ACME | ACME - DB MSSQL 2 - WebApp | Swap Memory has exceeded threshold: (25%) currently (33%) | Major | 17021 | 2015-04-17 03:44:10 | 11,682 | -- |
| 4. ACME | Web | Content Policy: "Log In" failed match "SPARC" against URL http://www.sciencelogic.com/sparc | Major | 17020 | 2015-04-17 03:41:05 | 789 | -- |
| 5. Demo Lab | Kirk | LDP Neighbor 10.11.20.24:0 (4) is DOWN (Interface not operational) (%LDP-5-NBRCHG) | Major | 17022 | 2015-04-17 15:04:42 | 87 | -- |
| 6. HQ Data Center | 10.0.13.21-Tftp | CUCM: TFTP Server Failed | Major | -- | 2015-04-17 03:41:39 | 2,969 | -- |
| 7. HQ Data Center | 35S.State | High-speed interface GigabitEthernet 0/3 is running at half-duplex | Major | -- | 2015-04-17 03:49:24 | 1,566 | -- |
| 8. HQ Data Center | LA-DC-01 | Required service not running: World Wide Web Publishing Service | Major | 17023 | 2015-04-17 03:50:13 | 1,328 | -- |
| 9. HQ Data Center | Reston Branch Router | Port not responding to connection: Port callbook - 2000 (IP: 10.168.37.35) | Major | -- | 2015-04-17 03:50:26 | 2 | -- |
| 10. HQ Data Center | UCS Manager | SSL certificate has expired: (expires on: 2014-02-12 19:42:22) | Major | -- | 2015-04-16 20:52:06 | 73 | -- |
| 11. Pittock | us-east-1a TEST MMC Drupal: n | Instance is not running. State is: stopped | Major | -- | 2015-04-15 17:15:41 | 2 | -- |
| 12. SILO | Flexpod - UCS | SSL certificate has expired: (expires on: 2014-04-09 23:18:09) | Major | -- | 2015-04-16 20:52:06 | 121 | -- |
| 13. HQ Data Center | RTR-2900XL | Physical Memory has exceeded threshold: (80%) currently (99%) | Minor | -- | 2015-04-17 03:45:04 | 25,697 | -- |
| 14. HQ Data Center | VPM Equinix Server | System or agent has recently restarted | Minor | -- | 2015-04-17 03:51:11 | 2 | -- |
| 15. SILO | sys/chassis-1 | Cisco UCS Manager fault severity major for component sys/chassis-1: ID: 8612169, Code: F0408, Cause: | Minor | -- | 2015-04-17 16:40:50 | 2,439 | -- |
| 16. ACME | ACME - Tomcat Server 1 | Diagnostics are running on Disk Physical Disk 1:0:5 | Notice | -- | 2015-04-17 03:49:45 | 3,604 | -- |

Auto-Relationship Mapping zeigt Tier 1 Support die Abhängigkeiten

Click #1



Converged Infrastructure Umgebung effizienter managen



Ergebnis: VMs die Speicherplatz auf dem NetApp Volume benötigen, sieht der Tier 1 Operator sofort. In der Vergangenheit mussten verschiedene Abteilungen involviert werden, um diese Information zu erhalten.



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