Alteon Application Switch optimizing the delivery of VMware View 5.1

Contents

INTRODUCTION .................................................................................................................................................. 2
  RADWARE ALTEON ........................................................................................................................................ 2
  VMware View ................................................................................................................................................ 4

RADWARE ALTEON AND VMware VIEW SERVER ARCHITECTURE .................................................. 5

IMPORTANT IMPLEMENTATION NOTES ................................................................................................. 6
  Configuration ................................................................................................................................................ 7
    Alteon Active Configuration .................................................................................................................... 7
    VMware View Connection Servers (connection 1) ..................................................................................... 12
    VMware View Connection Servers (connection 2) ................................................................................... 12
  VMware View Connection Servers ............................................................................................................ 13
    Configure VMware View Connection Global Settings ......................................................................... 13

APPENDIX - I .................................................................................................................................................. 13
  Alteon Active Device Full Configuration Script ...................................................................................... 13
  Alteon Standby Device Full Configuration Script .................................................................................. 19
Introduction

Implementing VMware View in an organization introduces a new set of challenges for IT, pushing its infrastructure to the limit and challenging its current administration policies. VMware View requires that an organization meet SLA commitments and provide QoE assurances. The inability to comply with these requirements will result in user frustration and loss of user productivity.

This guide presents a standardized integration solution in which Radware’s load balancing and acceleration product, Alteon, is set up in front of a VMware View environment to ensure its availability and performance in order to meet SLA and QoE requirements.

Radware Alteon

Radware’s Alteon ADC solution provides advanced and comprehensive application delivery capabilities needed to effectively meet the challenges of application deployment and application delivery in today’s data centers. Equipped with advanced application acceleration capabilities, a global server load balancing solution and a comprehensive Layer 7 modification tool, Alteon ADC is well-positioned as the leading ADC in the industry. Alteon ADC also spearheads the ADC virtualization trend with ADC-VX™, the industry’s first ADC virtualization and consolidation platform based on a specialized ADC hypervisor, and Alteon virtual appliance (Alteon VA).

Integrated Application Acceleration Capabilities with FastView™

Radware’s Alteon ADC delivers a wide set of advanced application acceleration capabilities, designed to accelerate application response time while offloading server processing. By offloading processor intensive operations, such as SSL, Web compression, caching, HTTP multiplexing, and TCP optimization, it frees the servers’ CPUs to handle additional requests, which results in reduced application server hardware and lower CAPEX.

Radware’s FastView™ result-driven acceleration technology adds Web Performance Optimization (WPO) capabilities on top of the standard ADC application acceleration features to deliver the fastest Web application response time and ensure best application SLA. The result is best business impact for increased revenues, more page views, higher customer loyalty as well as improved employee productivity when using enterprise Web applications for all browsers and all end-user device types – starting from the first page visit.
**Shaped to Deliver Applications**

With Radware’s AppShape™ technology, Alteon ADC benefits from reduced deployment time of application delivery services by 85%, while guaranteeing maximum value for each business critical application in terms of availability, performance and security. AppShape offers configuration templates and wizards for leading business applications. AppShape allows application delivery services to be fully managed and operated from an application-centric view, including operational screens, logs and compliance – resulting in simplified and efficient application management in the ADC. Furthermore AppShape’s reporting capabilities help organizations with capacity planning tasks by providing per application trends analysis and resources utilization reports.
VMware View

VMware View delivers rich, personalized virtual desktops as a managed service from a virtualization platform, built to deliver the entire desktop, including the operating system, applications, and data. With VMware View, desktop administrators virtualize the operating system, applications, and user data and deliver modern desktops to end-users. VMware View provides centralized automated management of these components for increased control and cost savings. It improves business agility while providing a flexible high performance desktop experience for end-users across a variety of network conditions.

VMWare View brings the agility and availability of cloud computing to the desktop and applications. Built on VMware vSphere, View delivers desktops from a single integrated platform as part of your cloud services. You can dynamically allocate resources to enable highly responsive and available environment to end-users. You can scale up and down desktop services on demand to quickly meet changing business needs and proactively protect against planned and unplanned downtime. You can run your desktops as business critical services for your workforce.

VMware View increases control of desktops, applications and data by delivering and managing them as centralized services. A single, powerful administrative console provides oversight of desktop services while enabling IT to execute previously cumbersome tasks such as provisioning, updates, and patches, with a few mouse clicks. You can manage desktop components separately for greater flexibility in provisioning, updates, and delivery. You can easily apply policies and quickly enable and disable users, all from a centralized console for optimal business response. View frees up time from maintenance for technology innovation.
Radware Alteon and VMware View Server Architecture

FIGURE 1 – TESTED EXAMPLE CONFIGURATION
Important Implementation Notes

1. Throughout this guide, reference is made to the “Radware” pre-configured certificate, but you can import a certificate or create a new certificate in Alteon. For more information on exporting, importing, or creating a certificate, see the Alteon Application Switch Operating System Application Guide.

2. In this architecture, Alteon offloads the SSL traffic and encrypts it again to the server side in a lower cypher mode.

Software and Hardware

The following is a list of the hardware and software tested to verify the interoperability of the presented solution:

- Microsoft Windows 2008 R2 x64bits
- Radware Alteon version 28.1.6
- VMware View Connection, Agent and client v.5.1
- VMware vCenter 5.u1a
Configuration

**ALTEON ACTIVE CONFIGURATION**

**Network Configuration**

```
/c/port 1
  pvid 600
/c/l2/vlan 1
  learn ena
def 2
/c/l2/vlan 600
  ena
  name "600"
  learn ena
def 1
/c/l2/stg 1/clear
/c/l2/stg 1/add 1 600
/c/l3/if 1
  ena
  ipver v4
  addr 192.168.160.2
  vlan 600
/c/l3/gw 1
  ena
  ipver v4
  addr 192.168.160.254
```

**Sync Configuration**

```
/c/slb/sync
  prios d
certs e
  state e
/c/slb/sync/peer 1
  ena
  addr 192.168.160.3
```

**PIP Configuration**

```
/c/slb/pip/type vlan
/c/slb/pip/type port
/c/slb/pip/add 192.168.160.201 1
```

**Compression Configuration**

```
/c/slb/accel/compress
  on
/c/slb/accel/compress/comppol 1
  name "comp.pol"
```
minsize 1024
ena

Real Servers Configuration

/c/slb/real 1
  ena
  ipver v4
  rip 192.168.160.21
  name "View.Connector.1"
/c/slb/real 2
  ena
  ipver v4
  rip 192.168.160.22
  name "View.Connector.2"

Server Groups Configuration

/c/slb/group 1
  ipver v4
  metric phash 255.255.255.255
  add 1
  add 2
  name "View.connectors"

Alteon process directions

/c/slb/port 1
  client ena
  server ena
  proxy ena

Virtual Services Configuration

/c/slb/virt 15
  ena
  ipver v4
  vip 192.168.160.200
  vname "View.vip"
/c/slb/virt 15/service 443 https
  group 1
dbind forceproxy
/c/slb/virt 15/service 443 https/http
comppol 1
/c/slb/virt 15/service 443 https/ssl
  svrncert cert 1
  sslpol 1
/c/sys/access/https/cert WebManagementCert
/c/sys/access/https/https e
SSL Configuration

/c/slb/certs/key 1
/c/slb/certs/import key "1" text
-----BEGIN RSA PRIVATE KEY-----
Proc-Type: 4,ENCRYPTED
DEK-Info: DES-EDE3-CBC,ENCRYPTED

NpQM3DguzTp3d4+YfMuDbM276d8BDz5eGOpFOOwflp1PJKnAA3j5s/u3fG3o50Yx
14hxvdTWMTYPQ2x8jil2gYi3olGDDTyr4GbrRzSNsCISQuSeN3eJe95fRIDIGs1y
8+333W/1U+7IRi00C5Rbyb0065AsO+Yhos1+1uHeu7fa3Ksnobndhrc6SgxKp4J
es6+vqUGIezKaQOXcCE9IVRSwksIUJPSz6xqS3H7fy24q7sMKG36p/2dNh5hEJQ
2kE9qEYVYG2t5B0ecBzeC/gLppuYmtk/I/INV+DFzzWrxfhSke+zauFBQE0
vmmesDc3cW3xoa64JLJMY3Qq7jsjkuUI7KeZfsazsAv3rFOYmQr5pxgcSPz2
KGshSO6YngsPeQOmTCpeyMM/j/+T9pZWLxgu1JZQ65QZL76gq76qlpowQzI0Jx
qQcGvMCXK8PjmvsbtKJnxxT47eQ0V1YckaQpq2mxxeUVwQcJ9FFJDkQs9rv3PGiTn/
U2n8IxNdPlaYu7+J/vhCLvTCöVZCtyXq9Z0oarVXYgyQn7qQC/kcdPtCAVji
EZdGTafBwuKuGRDvld+AF+VttaX5CumdJbRQeNoRbtiPKIC9hvDbIVS+ppB7q/
A2g1ide0PZd0Sn1j38k0s4qy+zbTfbi1+WwWqAa+2RNaM7RP8BDjqTwxM8nNGFOyPd
kfGtxmcfif5v/Pej4hU3G61T1ZcOAdJx5u9EyhHa+xSkwXCVTmfo0Fr3jvalWztI
3goquVtm9YtafDx3EXLX/l/Zd0i+xw87Q8EJc1dFLqukI3pX7Q0uw==
-----END RSA PRIVATE KEY-----

/c/slb/certs/srvrcert 1
name "view"

/c/slb/certs/import srvrcert "1" text
-----BEGIN CERTIFICATE-----

MIICrDCCAhWgAwIBAgIyARCHAqkqGkG9w0BAQUFADQmRswGQYDVQQDeXJi
aWV3LnBzcmFkd2y25S5j9b20x3ca3BqNBVABYTAkMMB4XDEyMDgwMTExMzoyOFOx
DTEzMDgwMTE5MzY0OFowk2ojEbMBkGA1UEAxMsdmldy5w3c3hzhcmu3ly29tM5qsw
CQYDVQQeGwJJTDCBzCnAnBqkgGkIGsw0BAQQFAAOBJQAAAQwAwEBvYCAqMEAgEx
ED4M4xI1LdF6NSKkeEeppwPcPaDmcqnuYDeP7Q9U7G2hiBapS4qviCGpZ4/sf
6FCr9Ay60JKLKhbskpm3AZ6VxV4d9aNRXzRzL79p9J9EdryKX6SzhfY4maN
RCO/jOxYDhl/lJ/9uUrLx8b/Fc5fIy9KcAhEAAoOB3jC82zAPBGvNHMRBAF8EBTAD
AQcMBEGCWCGSAGG1EIAQQAwICRDAyBglghkgBhvCAQ0EJeyQjWXoZ9uL05

vc

-----END CERTIFICATE-----
VRRP Configuration

/c/l3/vrrp/on
/c/l3/vrrp/vr 1 ena
  ipver v4
  vrid 1
  if 1
  prio 200
  addr 192.168.160.1
/c/l3/vrrp/vr 2 ena
  ipver v4
  vrid 2
  if 1
  prio 200
  addr 192.168.160.200
ALTEON STANDBY CONFIGURATION

Network Configuration
/c/port 1
    pvid 600
/c/l2/vlan 1
    learn ena
def 2
/c/l2/vlan 600
    ena
    name "600"
    learn ena
def 1
/c/l2/stg 1/clear
/c/l2/stg 1/add 1 600
/c/l3/if 1
    ena
    ipver v4
    addr 192.168.160.3
    vlan 600
/c/l3/gw 1
    ena
    ipver v4
    addr 192.168.160.254

PIP Configuration
/c/slb/pip/type vlan
/c/slb/pip/type port
/c/slb/pip/add 192.168.160.202 1

Sync Configuration
/c/slb/sync
    pips e
certs e
    state e
/c/slb/sync/peer 1
    ena
    addr 192.168.5.2

VRRP Configuration
/c/l3/vrrp/on
/c/l3/vrrp/vr 1
    ena
    ipver v4
    vrid 1
    if 1
    addr 192.168.160.1
/c/l3/vrrp/vr 2
    ena
Alteon Load balancing VMware View Servers

Wednesday, August 22, 2012

---

ipver v4
vrid 2
if 1
addr 192.168.160.200

---

**VMware View Connection Servers (Connection 1)**

- IP Address – 192.168.160.21/24
- DG – 192.168.160.254

**VMware View Connection Servers (Connection 2)**

- IP Address – 192.168.160.22/24
- DG – 192.168.160.254
VMware View Connection Servers

Configure VMware View Connection Global Settings

1. Go to View Configuration > Servers and edit each connection server, add the External URL name ‘https://view.mycompany.com:443’ (this will be the name that the clients are pointing to)

Appendix - I

Alteon Active Device Full Configuration Script

script start "Alteon Application Switch VA" 4  /**** DO NOT EDIT THIS LINE!
/* Version 28.1.6.10,  Mgmt MAC address 00:50:56:a3:29:f4
/* When restoring this configuration, provide the same
/* passphrase used to encrypt the private keys.
/c/sys/mmgmt
dhcp disabled
addr 10.210.99.131
mask 255.255.0.0
broad 10.210.255.255
gw 10.210.1.1
ena
tftp mgmt
/c/sys
  idle 10080
/c/sys/access
  http ena
tnet ena
/c/port 1
  pvid 600
/c/l2/vlan 1
  learn ena
def 2
/c/l2/vlan 600
  ena
  name "600"
  learn ena
def 1
/c/l2/stg 1/clear
/c/l2/stg 1/add 1 600
/c/sys/sshd/ena
/c/sys/sshd/on
/c/l3/if 1
  ena
  ipver v4
  addr 192.168.160.2
  vlan 600
/c/l3/gw 1
  ena
  ipver v4
  addr 192.168.160.254
/c/l3/vrrp/on
/c/l3/vrrp/vr 1
  ena
  ipver v4
  vrid 1
  if 1
  prio 200
  addr 192.168.160.1
/c/l3/vrrp/vr 2
  ena
  ipver v4
  vrid 2
  if 1
  prio 200
  addr 192.168.160.200
/c/slb/accel/compress
  on
/c/slb/accel/compress/comppol 1
  name "comp.pol"
  minsize 1024
  ena
/c/slb/ssl/certs/key 1
/c/slb/ssl/certs/import key "1" text
BEGIN RSA PRIVATE KEY
Proc-Type: 4,ENCRYPTED
DEK-Info: DES-EDE3-CBC,64A28F4D8480982692

-----BEGIN RSA PRIVATE KEY-----
Proc-Type: 4,ENCRYPTED
DEK-Info: DES-EDE3-CBC,E3E2F8D48080982692

-----END RSA PRIVATE KEY-----

END RSA PRIVATE KEY-----
-----BEGIN CERTIFICATE REQUEST-----
MIIBaTCB0wIBADAqMRswGQYDVQQDExJ2aWV3LnBzcmFkd2FyZS5jb20xCzAJBgNVBAYTAklMMIGfMA0GCSqGSIb3DQEBAQUAA4GNADCBiQKBgQCnu52V5BXJLCoQt3gzjEgYt0Xo1IqQR7GqnA9w9oOZyqe5gN4/tD1S50YDaGFpRKnhC+UJlInJ9p0UkV2IDLrQmQuQduryS+bcBnpxFXXh31o1FqmdstGzu2n1T0TBsNHIpfpKHN9jiZo1ELT+M7gFQEv+P26su5FvEUL/a/XERFw1DAQBoAwDQYJIoZIhvCNQAQEBQDAqGyEaJ4Ey4PLrc5CvQrAO15xucNgooANvzoe4t4zStsDh9BNoho6YOA4leH253On+cawGdsUUE7L5HbhnTYmpVQigPly+r6LwKqVYEUvQo1aI0EYzb5qmyI+eT1OZR40uDlWxv7cLtBQPny0tZ7898mcrvrmJ2Z9p9yIFhELMKqXYxJ0BjC/g==

-----BEGIN CERTIFICATE-----
MIIBaTCB0wIBADAqMRswGQYDVQQDExJ2aWV3LnBzcmFkd2FyZS5jb20xCzAJBgNVBAYTAklMMIGfMA0GCSqGSIb3DQEBAQUAA4GNADCBiQKBgQCnu52V5BXJLCoQt3gzjEgYt0Xo1IqQR7GqnA9w9oOZyqe5gN4/tD1S50YDaGFpRKnhC+UJlInJ9p0UkV2IDLrQmQuQduryS+bcBnpxFXXh31o1FqmdstGzu2n1T0TBsNHIpfpKHN9jiZo1ELT+M7gFQEv+P26su5FvEUL/a/XERFw1DAQBoAwDQYJIoZIhvCNQAQEBQDAqGyEaJ4Ey4PLrc5CvQrAO15xucNgooANvzoe4t4zStsDh9BNoho6YOA4leH253On+cawGdsUUE7L5HbhnTYmpVQigPly+r6LwKqVYEUvQo1aI0EYzb5qmyI+eT1OZR40uDlWxv7cLtBQPny0tZ7898mcrvrmJ2Z9p9yIFhELMKqXYxJ0BjC/g==

-----END CERTIFICATE-----

END CERTIFICATE REQUEST-----

-----BEGIN CERTIFICATE REQUEST-----
MIIBaTCB0wIBADAqMRswGQYDVQQDExJ2aWV3LnBzcmFkd2FyZS5jb20xCzAJBgNVBAYTAklMMIGfMA0GCSqGSIb3DQEBAQUAA4GNADCBiQKBgQCnu52V5BXJLCoQt3gzjEgYt0Xo1IqQR7GqnA9w9oOZyqe5gN4/tD1S50YDaGFpRKnhC+UJlInJ9p0UkV2IDLrQmQuQduryS+bcBnpxFXXh31o1FqmdstGzu2n1T0TBsNHIpfpKHN9jiZo1ELT+M7gFQEv+P26su5FvEUL/a/XERFw1DAQBoAwDQYJIoZIhvCNQAQEBQDAqGyEaJ4Ey4PLrc5CvQrAO15xucNgooANvzoe4t4zStsDh9BNoho6YOA4leH253On+cawGdsUUE7L5HbhnTYmpVQigPly+r6LwKqVYEUvQo1aI0EYzb5qmyI+eT1OZR40uDlWxv7cLtBQPny0tZ7898mcrvrmJ2Z9p9yIFhELMKqXYxJ0BjC/g==

-----END CERTIFICATE REQUEST-----
-----END CERTIFICATE REQUEST-----

/c/slb/ssl/certs/request WebManagementCert
/c/slb/ssl/certs/import "WebManagementCert" text
-------BEGIN CERTIFICATE REQUEST-------
MIIBazCB1QIBAdvM0A9AgA0GEAoGBAQL/h1TwFHBqgSmpCrzMTTeaTsylU6rG5boNRA7IyayJnglITYSSyaytkvg78AgBWCs105d5WQHZ9tbDLp+tldr+Atlth+rY4xjGgY+PAApvJatLosuk9iB/Pm8+97oFFucUQuZl/foNl1IRc3XVXSa1u1vOGV8k8JrTJUo0r+a45AgMAAQAggADANBkgkhkiG9w0BAEQFAQOBQBPFxhOQ8cnYIkJNyalbB7KJIVHsU8NnpaMtxaGocacY0vtSxq3Nvm75+HxSF4nt2iNQID95KfF6N8v+5CuBfF2Gy3t3j7U7qvux37s0MFeEBDZIDANZZNzzTaGcDVW9FGYkkFt6wtslFTeseLw00pZBO0AYy9uw7JzX05Nvpg==
-------END CERTIFICATE REQUEST-------

/c/slb/ssl/certs/srvrcert 1
name "view"
/c/slb/ssl/certs/import srvrcert "1" text
-------BEGIN CERTIFICATE-------
MIICrCICAhWgAwIBAgIEUBl/IEU7oMBAGA1UdJQAwFAYDVR0TAQH/BAQDBgNVHRMBAf8EBTADAQH/MBEGCWCGSAGG+EIBAQQAEwICRAAAYjQW0xZ9wUaIKiLMvTJIO/aEw
/c/slb/ssl/certs/srvrcert WebManagementCert
/c/slb/ssl/certs/import srvrcert "WebManagementCert" text
-------BEGIN CERTIFICATE-------
MIICzCAhugAwIBAgIHzANBkgkhkiG9w0BAQFQADAgMRswGQYDVQQDEzI2aW3LnBzcFkd2FyZ55j20x2CzAjbGVNBAVBATaKMbM4XDEYMDgwMTEx5My0FOfXyDTEzMDgwMTEx5My0FOfwkJ6MB0gGA1UEAxsMdmIldy5w3c3JhZhcolumuY29tMswCQYDVQQGEwJTDCAmANBgkqhkiG9w0BAQEFoAAOBjQAwYKcGEAp7udleQVsywqELd4M4iIGLd6F6S5KeExeqpwPcaDmcquyYDeP7Q9UtGA2hiBsaU5q4VicGpSZ/y6dFCr9iay60JkLhBskpkm3AZ6VXv4d9aNRXZLrs7tp9u9ebDryKX6hshzy4maNRC0/jOxYdhl/j9urLuRbxCF5f2iXErCAwEAaOB3JCB2zAPBGVNBHMBAf8EBTADAQH/MBEGCWGCSAGG+EIBAQQAEwICRDAyBglghkghhvhCAQOEJRYyJQW0XZ9wUaIKiLMvTJIO/aEw
Alteon Load balancing VMware View Servers

Wednesday, August 22, 2012

pC4wLDEqMCgGA1UEAxQhRGVmYXVsdF9HZW51cmF0ZWRfQWx0ZW9uX0JCSV9DZXJ0
ggRQGX8fMAoGA1UdDwQEAwIC5DANBgkqhkiG9w0BAQQFAAOBgQAovoxsb6Ti2uLQ
NRu9HxD481q9B9jvPXaTITTwBhIKGrFj+JJKD1jn8I91I/PbIe6jx+Js1uL021BU
+w1BcSJOpj2pjJTXT7VMH01vXHICLJ6kpX55j1ycKNdrjduhyfH59daYGxyZtWiI
KAI2JH/eKKOzHta1VgjEAXFDLL6kpg==
-----END CERTIFICATE-----

/c/slb/sync/passphrs
9beb0aa18aaa0aa1f2a286f67809ba620043c72f08e367910aca70457bb84410
/c/slb/ssl
on
/c/slb/ssl/sslpol 1
   name "View.pol"
   convert disabled
   bessl enabled
   ena
/c/slb
on
/c/slb/sync
   prios d
certs e
   state e
/c/slb/sync/peer 1
   ena
   addr 192.168.160.3
/c/slb/real 1
   ena
   ipver v4
   rip 192.168.160.21
   name "View.Connector.1"
/c/slb/real 2
   ena
   ipver v4
   rip 192.168.160.22
   name "View.Connector.2"
/c/slb/group 1
   ipver v4
   metric phash 255.255.255.255
   add 1
   add 2
   name "View.connectors"
/c/slb/pip/type vlan
/c/slb/pip/type port
/c/slb/pip/add 192.168.160.201 1
/c/slb/port 1
   client ena
   server ena
   proxy ena
/c/slb/virt 15
   ena
ipver v4
vip 192.168.160.200
vname "View.vip"
/c/slb/virt 15/service 443 https
group 1
dbind forceproxy
/c/slb/virt 15/service 443 https/http
comppol 1
/c/slb/virt 15/service 443 https/ssl
srvrcert cert 1
sslpol 1
/c/sys/access/https/cert WebManagementCert
/c/sys/access/https/https e
/
script end /**** DO NOT EDIT THIS LINE!
ALTEON STANDBY DEVICE FULL CONFIGURATION SCRIPT

script start "Alteon Application Switch VA" 4 /* **** DO NOT EDIT THIS LINE!
/* Configuration last applied at 15:13:00 Tue Aug 21, 2012
/* Configuration last save at 15:15:18 Tue Aug 21, 2012
/* Version 28.1.6.10, Mgmt MAC address 00:50:56:a3:29:f7
/* When restoring this configuration, provide the same
/* passphrase used to encrypt the private keys.
/c/sys/mmgmt
tftp mgmt
/c/sys/access
  http ena
tnet ena
/c/port 1
  pvid 600
/c/l2/vlan 1
  learn ena
def 2
/c/l2/vlan 600
  ena
  name "600"
  learn ena
def 1
/c/l2/stg 1/clear
/c/l2/stg 1/add 1 600
/c/sys/sshd/en
/c/sys/sshd/on
/c/l3/if 1
  ena
  ipver v4
  addr 192.168.160.3
  vlan 600
/c/l3/gw 1
  ena
  ipver v4
  addr 192.168.160.254
/c/l3/vrrp/on
/c/l3/vrrp/vr 1
  ena
  ipver v4
  vrid 1
  if 1
  addr 192.168.160.1
/c/l3/vrrp/vr 2
  ena
  ipver v4
  vrid 2
  if 1
  addr 192.168.160.200
Alteon Load balancing VMware View Servers

Wednesday, August 22, 2012

```
/c/slb/accel/compress
   on
/c/slb/accel/compress/comppol 1
      name "comp.pol"
      minsize 1024
      ena
/c/slb/ssl/certs/key 1
/c/slb/ssl/certs/import key "1" text
-----BEGIN RSA PRIVATE KEY-----
Proc-Type: 4,ENCRYPTED
DEK-Info: DES-EDE3-CBC,55F93A3FC2BC5B2D

arTIl8ZlRTdioTCgWiXtu+gelYinX6pZZUZJxx/S/qMdKJhihilk9iKmroYssFg
    xP+BSmcHUyblly8JF8F8AFA8/3xJ7Vjn8QkC5H7p9HXWWy5ddt5MDBGs+Rv9zPbh
    IYpSWECTSSK3ZyFnDtUn0rFxHbekLYHIRXAQhCGRzeTf5h/IrPv0CuXdY7gommC
    lfiGQ8C31IDdDq4C2j1gPjRiHfM93tb1rTgyEkc9KQop0cseQAK+jjrub0XNb1
    pC0n3bj3J8AD60Fo0xSr0Hb9vbfyktIcTfn9FgnvJ7U0+u6Igyu0XKRHzNyD6B+3o
    7X/w3ANIoprfwEOD88vJM2W2RYfRgtTtcG4VFYcHZkOb56EIECMS/EjzPUNAdc22
    qwf559fB3IEzgBOokgiVZEi9g8c4mHssJ3tshfy8pReapeZNDS4yNtuF7u9ABz
    K9h+nfxSXBWbhay6X7i7zOuu3YVlCJNjL/k1R3qBuPCU0OpR6amUDpg80z+qumD7
    PuJo55Gnw5dFkyaZ2GLK5FUK6ikKYQmzgxfkJfboFXMcVM6f9pZIqiBYagqY0Mox
    8xOL2EZYYqdtVX5WSTCjX9ADgytweCq/Lg9VCqne+5jKeoHnC3ePlwUWeReZ6Tlz
    kA0h0QVpW1AN1hAynGE+S7oUQRVJZpefBg1gxYB1ybw1HZ+ff3KNcShLh8T1hNp
    ia89Pc2dniz+8h7C+1tPuro9fQqBKNNVws5S7eqDMUAFFtB90M4U1UjwNBhck4W0
    9JPNmh/Jv91M4UfM5giO7X7XP7q1E9j0OVpmJUTpScfVMa7drkGuhrQ==
-----END RSA PRIVATE KEY-----
```

```
c/slb/ssl/certs/key WebManagementCert
```

```
c/slb/ssl/certs/import key "WebManagementCert" text
-----BEGIN RSA PRIVATE KEY-----
Proc-Type: 4,ENCRYPTED
DEK-Info: DES-EDE3-CBC,D22895688C2C38EF

F/gGYkKjDoxdQIz8c8yHE2cGsowmhwKRvdDbBHbumGkxWeee9XGw8LkN1oVqCPpp
    ya2icaTBBefN1eA6mYrSrmpbBnBniqTRZMY76SgN64LWsrHL3Yi/yLBHFI1BjJEP
    W6a2FfIn7YqCWhpSSDASGbefeVg+b2NvhzCzMk7Bj9LpZom3F0fpVExTsKj0kDT
    tM4Am5H5siBbow85QKjQjR9AIBic8txfQK53orZvgy1Jjr50TFD1Ccm34Kz+t
    JXbzbTxpKapoLW3iBv2+0ycg0qClThck6hqlbVOuUjMa7SOWw10xSBH4TGLgnzJ8
    l50lVHsxlZ7kbJyMJ/jnccbOzCggVYVX6V7xplfJKrhADGhN33S7Dj/OzdQeXr3RRKd
    rjr9H9W/IZIZVL2AmAQOQy94qyW817b7nE7LrwvUSPSRNsi8REC+fRDNQWNGC1eT7
    efs<PLIMShmRKggd6eFBozjRrmfy9j/I<JhfCjBoxdSbuGydVXhD150SMpRPXANX8
    lmg1B1eHBn+GrHrDAaarUp3E3wOPb2jZfHgKnus4/V/+BE56b/ANvPhQ03QzCFYP
    ijODCuJy9p3RCvvrBGrU4PYWERU8U+t4x39Xdbxn6P1rCwPA3yuRhr6WkKNze7y9
    GsNc8PfHj0YfYcnUnvUmgtWx0u7h2ar4W+7onQx7KrzyazLWlHxYm3S8/377ggZeD
    ddBwMzDf9ITMQGqzofkpQNIY3wLi00ZQneOqr5LdGe+6Ag0OqC4cF6TN4LE
gdpNUNKdpmCkkWkB2EReBY16pVjy4dTRPcVN3c6UViBoty8hP+Kn84Q==
-----END RSA PRIVATE KEY-----
```

```
c/slb/ssl/certs/request 1
```

```
c/slb/ssl/certs/import request "1" text
-----BEGIN CERTIFICATE REQUEST-----
```

---
WhcNMTMwODAxMTkwMDIzWjAsMSowKAYDVQQDFCEWZhdWx0X0dlbmVyYXRIZF9B
bHRl25fQkJX0NlcnQwZ8wDQYJKoZIhvcNAQEBBQADGgY0AMIGJAoGBAL/h1TwF
HBqs9MPCrZMTeeTsyIUS+GrboRjA7LjayJngJTYSSyajtkvg7BAgBWcJs1O5dSWZ
QH9tbDLp+t1Dr/ATth+rY4XxjGgY+PAApVjatLosuk9iB/Pm8+970FFucQUUzI/F
oNL1R3xVXSA1UivOGVok8JTjsUor0+/a45AgMAAAGjgeAwgd0wDwYDVR0TAQH/
BAUwAwEB/zARBgIghkgBhvCAQEEBAMCAkQwMgYJKIAYb4QgENBCUWl0FsdGVv
bI9Ob3JQZmQwRGVvR2VvUXJhdGVkIENlcnRipZmljYXRlMB0GA1UdDgQQWhBBQklJvAu6uJ
tcPMJ49tExiJkWyO/7BXBgNVHSMEUDBOgBQkIjVvAu6uJctPMJ49tExiJkWyO/aEw
pC4wLDEqMCga1UEAxQhRGVmYXVsdF9HZW5lcmF0ZWRfQWx0ZW9uX0JCSV9DZXJ0
ggRQGX8fMAsgA1UdDwQEAwIC5DANBgkqhkiG9w0BAAQFAAOAoBAoKxsb6Ti2uLQ
NRuJ9Hx481q9B9jvPxAITITwBhIKGrFlf+JJKD1jn8I/I/Plbf6jx+jS1uL021BU
+w1BcSJOpj2pjJTXT7VMH01vXHICL6kpX55jIycKNdruhyfH59daYGxyZtWi
KAl2jH/eKKOzHtaIVgjEAXFDDL6kpg==
-----END CERTIFICATE-----

/c/slb/sync/passphrs
9e96d9ae8a82c882f7f792a77821784127263c6a730dcb34b34ad994752722d61
/c/slb/gslb/dnssec
   keymaster dis
   on
 /c/slb/ssl/sspol 1
   name "View.pol"
   convert disabled
   bessl enabled
   ena
   /c/slb
   on
 /c/slb/sync
   prios d
certs e
state e
 /c/slb/sync/peer 1
   ena
   addr 192.168.160.2
 /c/slb/real 1
   ena
   ipver v4
   rip 192.168.160.21
   name "View.Connector.1"
 /c/slb/real 2
   ena
   ipver v4
   rip 192.168.160.22
   name "View.Connector.2"
 /c/slb/group 1
   ipver v4
   metric phash 255.255.255.255
   add 1
add 2
  name "View.connectors"
/c/slb/pip/type vlan
/c/slb/pip/type port
/c/slb/pip/add 192.168.160.202 1
/c/slb/port 1
  client ena
  server ena
  proxy ena
/c/slb/virt 15
  ena
  ipver v4
  vip 192.168.160.200
  vname "View.vip"
/c/slb/virt 15/service 443 https
  group 1
  dbind forceproxy
/c/slb/virt 15/service 443 https/http
  comppol 1
/c/slb/virt 15/service 443 https/ssl
  srvrcert cert 1
  sslpol 1
/c/sys/access/https/cert WebManagementCert
/c/sys/access/https/https end
/
script end  /**** DO NOT EDIT THIS LINE!
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