



## Configurations

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The following system solution configuration sections provide configuration details for this design and implementation validation:

- [NetScaler Instance Configuration Summary, page C-1](#)
- [Automating APIC Configuration for SharePoint, page C-8](#)
- [XML Files for Configuring NetScaler Instances, page C-9](#)

## NetScaler Instance Configuration Summary

The following NetScaler instance configuration summary provides the full configuration for the single NetScaler instance SDX-A\_VPX-1.

```
##### SDX-A_VPX-1 #####
# set ns config -IPAddress 192.168.114.111 -netmask 255.255.255.0
#####

enable ns feature WL SP LB CS SSL GSLB AppFw RESPONDER
enable ns mode FR Edge USNIP PMTUD

add vlan 101
add vlan 102

add ns ip 10.16.1.11 255.255.255.0 -vServer DISABLED
add ns ip 10.16.1.12 255.255.255.0 -vServer DISABLED
add ns ip 10.16.1.13 255.255.255.0 -vServer DISABLED
add ns ip 101.16.1.11 255.255.255.0 -vServer DISABLED

bind vlan 101 -ifnum LA/1 -tagged
bind vlan 101 -IPAddress 10.16.1.11 255.255.255.0
bind vlan 102 -ifnum LA/1 -tagged
bind vlan 102 -IPAddress 101.16.1.11 255.255.255.0

add server server-tg-01 10.16.2.1
add server server-tg-02 10.16.2.2
add server server-tg-03 10.16.2.3
add server server-tg-04 10.16.2.4
add server server-tg-05 10.16.2.5
add server server-tg-06 10.16.2.6
add server server-tg-07 10.16.2.7
add server server-tg-08 10.16.2.8
add server server-tg-09 10.16.2.9
add server server-tg-10 10.16.2.10
add server server-tg-11 10.16.2.11
```

```
add server server-tg-12 10.16.2.12
add server server-tg-13 10.16.2.13
add server server-tg-14 10.16.2.14
add server server-tg-15 10.16.2.15
add server server-tg-16 10.16.2.16
add server server-tg-17 10.16.2.17
add server server-tg-18 10.16.2.18
add server server-tg-19 10.16.2.19
add server server-tg-20 10.16.2.20
add server server-tg-21 10.16.2.21
add server server-tg-22 10.16.2.22
add server server-tg-23 10.16.2.23
add server server-tg-24 10.16.2.24
add server server-tg-25 10.16.2.25
add server server-tg-26 10.16.2.26
add server server-tg-27 10.16.2.27
add server server-tg-28 10.16.2.28
add server server-tg-29 10.16.2.29
add server server-tg-30 10.16.2.30
add server server-tg-31 10.16.2.31
add server server-tg-32 10.16.2.32
add server server-tg-33 10.16.2.33
add server server-tg-34 10.16.2.34
add server server-tg-35 10.16.2.35
add server server-tg-36 10.16.2.36
add server server-tg-37 10.16.2.37
add server server-tg-38 10.16.2.38
add server server-tg-39 10.16.2.39
add server server-tg-40 10.16.2.40
add server server-tg-41 10.16.2.41
add server server-tg-42 10.16.2.42
add server server-tg-43 10.16.2.43
add server server-tg-44 10.16.2.44
add server server-tg-45 10.16.2.45
add server server-tg-46 10.16.2.46
add server server-tg-47 10.16.2.47
add server server-tg-48 10.16.2.48
add server server-tg-49 10.16.2.49
add server server-tg-50 10.16.2.50
add server server-tg-51 10.16.2.51
add server server-tg-52 10.16.2.52
add server server-tg-53 10.16.2.53
add server server-tg-54 10.16.2.54
add server server-tg-55 10.16.2.55
add server server-tg-56 10.16.2.56
add server server-tg-57 10.16.2.57
add server server-tg-58 10.16.2.58
add server server-tg-59 10.16.2.59
add server server-tg-60 10.16.2.60
add server server-tg-61 10.16.2.61
add server server-tg-62 10.16.2.62
add server server-tg-63 10.16.2.63
add server server-tg-64 10.16.2.64
add server server-tg-65 10.16.2.65
add server server-tg-66 10.16.2.66
add server server-tg-67 10.16.2.67
add server server-tg-68 10.16.2.68
add server server-tg-69 10.16.2.69
add server server-tg-70 10.16.2.70
add server server-tg-71 10.16.2.71
add server server-tg-72 10.16.2.72
add server server-tg-73 10.16.2.73
add server server-tg-74 10.16.2.74
add server server-tg-75 10.16.2.75
```

```
add server server-tg-76 10.16.2.76
add server server-tg-77 10.16.2.77
add server server-tg-78 10.16.2.78
add server server-tg-79 10.16.2.79
add server server-tg-80 10.16.2.80

add service service-tg-01 server-tg-01 HTTP 80
add service service-tg-02 server-tg-02 HTTP 80
add service service-tg-03 server-tg-03 HTTP 80
add service service-tg-04 server-tg-04 HTTP 80
add service service-tg-05 server-tg-05 HTTP 80
add service service-tg-06 server-tg-06 HTTP 80
add service service-tg-07 server-tg-07 HTTP 80
add service service-tg-08 server-tg-08 HTTP 80
add service service-tg-09 server-tg-09 HTTP 80
add service service-tg-10 server-tg-10 HTTP 80
add service service-tg-11 server-tg-11 HTTP 80
add service service-tg-12 server-tg-12 HTTP 80
add service service-tg-13 server-tg-13 HTTP 80
add service service-tg-14 server-tg-14 HTTP 80
add service service-tg-15 server-tg-15 HTTP 80
add service service-tg-16 server-tg-16 HTTP 80
add service service-tg-17 server-tg-17 HTTP 80
add service service-tg-18 server-tg-18 HTTP 80
add service service-tg-19 server-tg-19 HTTP 80
add service service-tg-20 server-tg-20 HTTP 80
add service service-tg-21 server-tg-21 SSL 443
add service service-tg-22 server-tg-22 SSL 443
add service service-tg-23 server-tg-23 SSL 443
add service service-tg-24 server-tg-24 SSL 443
add service service-tg-25 server-tg-25 SSL 443
add service service-tg-26 server-tg-26 SSL 443
add service service-tg-27 server-tg-27 SSL 443
add service service-tg-28 server-tg-28 SSL 443
add service service-tg-29 server-tg-29 SSL 443
add service service-tg-30 server-tg-30 SSL 443
add service service-tg-31 server-tg-31 SSL 443
add service service-tg-32 server-tg-32 SSL 443
add service service-tg-33 server-tg-33 SSL 443
add service service-tg-34 server-tg-34 SSL 443
add service service-tg-35 server-tg-35 SSL 443
add service service-tg-36 server-tg-36 SSL 443
add service service-tg-37 server-tg-37 SSL 443
add service service-tg-38 server-tg-38 SSL 443
add service service-tg-39 server-tg-39 SSL 443
add service service-tg-40 server-tg-40 SSL 443
add service service-tg-41 server-tg-41 TCP 8080
add service service-tg-42 server-tg-42 TCP 8080
add service service-tg-43 server-tg-43 TCP 8080
add service service-tg-44 server-tg-44 TCP 8080
add service service-tg-45 server-tg-45 TCP 8080
add service service-tg-46 server-tg-46 TCP 8080
add service service-tg-47 server-tg-47 TCP 8080
add service service-tg-48 server-tg-48 TCP 8080
add service service-tg-49 server-tg-49 TCP 8080
add service service-tg-50 server-tg-50 TCP 8080
add service service-tg-51 server-tg-51 TCP 8080
add service service-tg-52 server-tg-52 TCP 8080
add service service-tg-53 server-tg-53 TCP 8080
add service service-tg-54 server-tg-54 TCP 8080
add service service-tg-55 server-tg-55 TCP 8080
add service service-tg-56 server-tg-56 TCP 8080
add service service-tg-57 server-tg-57 TCP 8080
add service service-tg-58 server-tg-58 TCP 8080
```

```

add service service-tg-59 server-tg-59 TCP 8080
add service service-tg-60 server-tg-60 TCP 8080
add service service-tg-61 server-tg-61 DNS 53
add service service-tg-62 server-tg-62 DNS 53
add service service-tg-63 server-tg-63 DNS 53
add service service-tg-64 server-tg-64 DNS 53
add service service-tg-65 server-tg-65 DNS 53
add service service-tg-66 server-tg-66 DNS 53
add service service-tg-67 server-tg-67 DNS 53
add service service-tg-68 server-tg-68 DNS 53
add service service-tg-69 server-tg-69 DNS 53
add service service-tg-70 server-tg-70 DNS 53
add service service-tg-71 server-tg-71 DNS 53
add service service-tg-72 server-tg-72 DNS 53
add service service-tg-73 server-tg-73 DNS 53
add service service-tg-74 server-tg-74 DNS 53
add service service-tg-75 server-tg-75 DNS 53
add service service-tg-76 server-tg-76 DNS 53
add service service-tg-77 server-tg-77 DNS 53
add service service-tg-78 server-tg-78 DNS 53
add service service-tg-79 server-tg-79 DNS 53
add service service-tg-80 server-tg-80 DNS 53

add lb vserver vip-tg-101 HTTP 101.16.1.101 80
add lb vserver vip-tg-102 HTTP 101.16.1.102 80
add lb vserver vip-tg-103 SSL 101.16.1.103 443
add lb vserver vip-tg-104 SSL 101.16.1.104 443
add lb vserver vip-tg-105 TCP 101.16.1.105 8080
add lb vserver vip-tg-106 TCP 101.16.1.106 8080
add lb vserver vip-tg-107 DNS 101.16.1.107 53
add lb vserver vip-tg-108 DNS 101.16.1.108 53

bind lb vserver vip-tg-101 service-tg-01
bind lb vserver vip-tg-101 service-tg-02
bind lb vserver vip-tg-101 service-tg-03
bind lb vserver vip-tg-101 service-tg-04
bind lb vserver vip-tg-101 service-tg-05
bind lb vserver vip-tg-101 service-tg-06
bind lb vserver vip-tg-101 service-tg-07
bind lb vserver vip-tg-101 service-tg-08
bind lb vserver vip-tg-101 service-tg-09
bind lb vserver vip-tg-101 service-tg-10
bind lb vserver vip-tg-102 service-tg-11
bind lb vserver vip-tg-102 service-tg-12
bind lb vserver vip-tg-102 service-tg-13
bind lb vserver vip-tg-102 service-tg-14
bind lb vserver vip-tg-102 service-tg-15
bind lb vserver vip-tg-102 service-tg-16
bind lb vserver vip-tg-102 service-tg-17
bind lb vserver vip-tg-102 service-tg-18
bind lb vserver vip-tg-102 service-tg-19
bind lb vserver vip-tg-102 service-tg-20
bind lb vserver vip-tg-103 service-tg-21
bind lb vserver vip-tg-103 service-tg-22
bind lb vserver vip-tg-103 service-tg-23
bind lb vserver vip-tg-103 service-tg-24
bind lb vserver vip-tg-103 service-tg-25
bind lb vserver vip-tg-103 service-tg-26
bind lb vserver vip-tg-103 service-tg-27
bind lb vserver vip-tg-103 service-tg-28
bind lb vserver vip-tg-103 service-tg-29
bind lb vserver vip-tg-103 service-tg-30
bind lb vserver vip-tg-104 service-tg-31
bind lb vserver vip-tg-104 service-tg-32

```

```

bind lb vserver vip-tg-104 service-tg-33
bind lb vserver vip-tg-104 service-tg-34
bind lb vserver vip-tg-104 service-tg-35
bind lb vserver vip-tg-104 service-tg-36
bind lb vserver vip-tg-104 service-tg-37
bind lb vserver vip-tg-104 service-tg-38
bind lb vserver vip-tg-104 service-tg-39
bind lb vserver vip-tg-104 service-tg-40
bind lb vserver vip-tg-105 service-tg-41
bind lb vserver vip-tg-105 service-tg-42
bind lb vserver vip-tg-105 service-tg-43
bind lb vserver vip-tg-105 service-tg-44
bind lb vserver vip-tg-105 service-tg-45
bind lb vserver vip-tg-105 service-tg-46
bind lb vserver vip-tg-105 service-tg-47
bind lb vserver vip-tg-105 service-tg-48
bind lb vserver vip-tg-105 service-tg-49
bind lb vserver vip-tg-105 service-tg-50
bind lb vserver vip-tg-106 service-tg-51
bind lb vserver vip-tg-106 service-tg-52
bind lb vserver vip-tg-106 service-tg-53
bind lb vserver vip-tg-106 service-tg-54
bind lb vserver vip-tg-106 service-tg-55
bind lb vserver vip-tg-106 service-tg-56
bind lb vserver vip-tg-106 service-tg-57
bind lb vserver vip-tg-106 service-tg-58
bind lb vserver vip-tg-106 service-tg-59
bind lb vserver vip-tg-106 service-tg-60
bind lb vserver vip-tg-107 service-tg-61
bind lb vserver vip-tg-107 service-tg-62
bind lb vserver vip-tg-107 service-tg-63
bind lb vserver vip-tg-107 service-tg-64
bind lb vserver vip-tg-107 service-tg-65
bind lb vserver vip-tg-107 service-tg-66
bind lb vserver vip-tg-107 service-tg-67
bind lb vserver vip-tg-107 service-tg-68
bind lb vserver vip-tg-107 service-tg-69
bind lb vserver vip-tg-107 service-tg-70
bind lb vserver vip-tg-108 service-tg-71
bind lb vserver vip-tg-108 service-tg-72
bind lb vserver vip-tg-108 service-tg-73
bind lb vserver vip-tg-108 service-tg-74
bind lb vserver vip-tg-108 service-tg-75
bind lb vserver vip-tg-108 service-tg-76
bind lb vserver vip-tg-108 service-tg-77
bind lb vserver vip-tg-108 service-tg-78
bind lb vserver vip-tg-108 service-tg-79
bind lb vserver vip-tg-108 service-tg-80

add ssl certKey sp2013.test.ctx-cert -cert sp2013-server.cert -key
    sp2013-server.key

bind ssl vserver vip-tg-103 -certkeyName sp2013.test.ctx-cert
bind ssl vserver vip-tg-104 -certkeyName sp2013.test.ctx-cert

add route 10.1.1.0 255.255.255.0 10.16.1.254
add route 10.1.2.0 255.255.255.0 10.16.1.254
add route 10.1.3.0 255.255.255.0 10.16.1.254
add route 10.16.2.0 255.255.255.0 10.16.1.254
add route 192.168.0.0 255.255.0.0 192.168.114.254

add route 0.0.0.0 0.0.0.0 101.16.1.254

# === CS =====

```

```

add server server-sp2013-1 10.1.2.101
add server server-sp2013-2 10.1.2.102

add service service-sp2013-1 server-sp2013-1 SSL 443
add service service-sp2013-2 server-sp2013-2 SSL 443

add lb vserver vip-LB-sp2013-1 HTTP 10.16.1.111 80
add lb vserver vip-LB-sp2013-2 HTTP 10.16.1.112 80

bind lb vserver vip-LB-sp2013-1 service-sp2013-1
bind lb vserver vip-LB-sp2013-2 service-sp2013-2

add cs vserver vip-CS_SP2013 SSL 101.16.1.121 443

bind ssl vserver vip-CS_SP2013 -certkeyName sp2013.test.ctx-cert

add cs policy policy-cs-eng -url "/sites/Eng/*"
add cs policy policy-cs-mkt -url "/sites/Mkt/*"

bind cs vserver vip-CS_SP2013 -policy policy-cs-eng -targetLBvserver
vip-LB-sp2013-1
bind cs vserver vip-CS_SP2013 -policy policy-cs-mkt -targetLBvserver
vip-LB-sp2013-2
bind cs vserver vip-CS_SP2013 -lbvserver vip-LB-sp2013-1

# === DB =====

add db user sa -password Citrix123

add server server-mssql-1 10.1.3.101
add server server-mssql-2 10.1.3.102
add server server-mssql-3 10.1.3.103
add server server-mssql_listener 10.1.3.105

add service sql-1.test.ctx server-mssql-1 MSSQL 1433
add service sql-2.test.ctx server-mssql-2 MSSQL 1433
add service sql-3.test.ctx server-mssql-3 MSSQL 1433

add service sql_listener server-mssql_listener MSSQL 1433

add monitor read_replica1 MSSQL-ECV -sqlQuery "select role, role_desc from
sys.dm_hadr_availability_replica_states as A,
sys.dm_hadr_availability_replica_cluster_states as B where (A.replica_id =
B.replica_id and B.replica_server_name = 'sql-1') and A.group_id in
(select ag_id from sys.dm_hadr_name_id_map where ag_name =
'AG_SharePoint_2013')" -evalRule
"MSSQL.RES.ROW(0).TEXT_ELEM(1).EQ(\"SECONDARY\")" -username sa

add monitor read_replica2 MSSQL-ECV -sqlQuery "select role, role_desc from
sys.dm_hadr_availability_replica_states as A,
sys.dm_hadr_availability_replica_cluster_states as B where (A.replica_id =
B.replica_id and B.replica_server_name = 'sql-2') and A.group_id in
(select ag_id from sys.dm_hadr_name_id_map where ag_name =
'AG_SharePoint_2013')" -evalRule
"MSSQL.RES.ROW(0).TEXT_ELEM(1).EQ(\"SECONDARY\")" -username sa

add monitor read_replica3 MSSQL-ECV -sqlQuery "select role, role_desc from
sys.dm_hadr_availability_replica_states as A,
sys.dm_hadr_availability_replica_cluster_states as B where (A.replica_id =
B.replica_id and B.replica_server_name = 'sql-3') and A.group_id in
(select ag_id from sys.dm_hadr_name_id_map where ag_name =
'AG_SharePoint_2013')" -evalRule
"MSSQL.RES.ROW(0).TEXT_ELEM(1).EQ(\"SECONDARY\")" -username sa

```

```

bind service sql-1.test.ctx -monitorName read_replica1
bind service sql-2.test.ctx -monitorName read_replica2
bind service sql-3.test.ctx -monitorName read_replica3

add lb vserver vip-mssql-LB_READ MSSQL 10.16.1.151 1433 -mssqlServerVersion
2012
add lb vserver vip-mssql-LB_WRITE MSSQL 10.16.1.152 1433 -mssqlServerVersion
2012

bind lb vserver vip-mssql-LB_WRITE sql_listener

bind lb vserver vip-mssql-LB_READ sql-1.test.ctx
bind lb vserver vip-mssql-LB_READ sql-2.test.ctx
bind lb vserver vip-mssql-LB_READ sql-3.test.ctx

add cs vserver vip-MSSQL_CS MSSQL 10.16.1.122 1433 -mssqlServerVersion 2012

add cs policy CS_Read1 -rule "MSSQL.CLIENT.TYPEFLAGS.BITAND(32).EQ(32)"
add cs policy CS_Read2 -rule
"MSSQL.REQ.QUERY.COMMAND.SET_TEXT_MODE(IGNORECASE).EQ(\"select\")"

bind cs vserver vip-MSSQL_CS -policy CS_Read1 -targetLBVserver vip-mssql-
LB_READ -priority 10
bind cs vserver vip-MSSQL_CS -policy CS_Read2 -targetLBVserver vip-mssql-
LB_READ -priority 20

bind cs vserver vip-MSSQL_CS -lbvserver vip-mssql-LB_WRITE

# === AppFW =====
# === Out-of-band operation:
# === import appfw signatures
# === http://10.1.1.101/msharepoint/msharepoint.xml msharepoint

add appfw profile Sharepoint_SharePoint_sig -startURLAction block learn log
stats -startURLClosure ON -signatures msharepoint

bind appfw profile Sharepoint_SharePoint_sig -startURL
"^http://sp2013.test.ctx(\\:)* (\\d)*/sites/Eng(/)?"
bind appfw profile Sharepoint_SharePoint_sig -startURL
"^http://sp2013.test.ctx(\\:)* (\\d)*/sites/Mkt(/)?"

add appfw policy Sharepoint_SharePoint_sig
"HTTP.REQ.HOSTNAME.EQ(\"sp2013.test.ctx\")" Sharepoint_SharePoint_sig

bind cs vserver vip-CS_SP2013 -policyName Sharepoint_SharePoint_sig -priority
100 -gotoPriorityExpression END -type REQUEST

set appfw profile Sharepoint_SharePoint_sig -SQLInjectionAction block learn
log stats
set appfw profile Sharepoint_SharePoint_sig -crossSiteScriptingAction block
learn log stats

# === GSLB =====

add service svc_adns_1 101.16.1.11 ADNS 53

add gslb site Data_Center_1 101.16.1.11
add gslb site Data_Center_2 201.16.1.11

add gslb vserver vip-gslb-sp2013 ssl

add gslb service svc_gslb_sp2013_dc1 101.16.1.121 ssl 443 -sitename
Data_Center_1

```

```

add gslb service svc_gslb_sp2013_dc2 201.16.1.121 ssl 443 -sitename
    Data_Center_2

bind gslb vserver vip-gslb-sp2013 -servicename svc_gslb_sp2013_dc1
bind gslb vserver vip-gslb-sp2013 -servicename svc_gslb_sp2013_dc2

bind gslb vserver vip-gslb-sp2013 -domainname sp2013.test.ctx

set gslb vserver vip-gslb-sp2013 -lbmethod RTT

add location 91.1.1.1 91.1.1.255 DC1
add location 101.16.1.121 101.16.1.121 DC1
add location 102.16.1.121 102.16.1.121 DC1
add location 92.1.1.1 92.1.1.255 DC2
add location 201.16.1.121 201.16.1.121 DC2
add location 202.16.1.121 202.16.1.121 DC2

set gslb vserver vip-gslb-sp2013 -lbmethod staticproximity

set gslb vserver vip-gslb-sp2013 -lbmethod leastconnection

#=====

```

Return to [Configurations, page C-1](#).

## Automating APIC Configuration for SharePoint

From a Ubuntu machine, XML files can be interpreted using Python to define APIC configurations for ACI deployments. APIC then deploys the appropriate configuration settings to the NetScaler VPX instances.

This appendix contains the XML files largely used to configure NetScaler VPX instances used in this system solution. The following script processes a series of XML files to automate the creation and configuration of the NetScaler instances. (A few additional steps, such as creating and assigning the filter `acl_cs_sharepoint` to contract subjects for SharePoint, were performed using the APIC GUI and do not have comparable XML files in this appendix.)

```

#!/bin/bash
# Ubuntu machine: 192.168.115.221 (administrator/cisco)
# Basic config: /Citrix/APICscript/
# =====
./post_xml.py CreateServiceGraph_lb_http.xml 192.168.114.1:443
./post_xml.py ConfigServiceGraphWithParams_lb_http.xml 192.168.114.1:443
./post_xml.py CreateContract_lb_http.xml 192.168.114.1:443
./post_xml.py AttachGraphToContract_lb_http.xml 192.168.114.1:443

./post_xml.py CreateServiceGraph_lb_ssl.xml 192.168.114.1:443
./post_xml.py ConfigServiceGraphWithParams_lb_ssl.xml 192.168.114.1:443
./post_xml.py CreateContract_lb_ssl.xml 192.168.114.1:443
./post_xml.py AttachGraphToContract_lb_ssl.xml 192.168.114.1:443

# CS/SSL: /Citrix/APICscript/SP_CS_SSL/
# =====
./post_xml.py CreateServiceGraph_SP_cs_ssl_1.xml 192.168.114.1:443
./post_xml.py ConfigServiceGraphWithParams_SP_cs_ssl_1.xml 192.168.114.1:443
./post_xml.py CreateServiceGraph_SP_cs_ssl_2.xml 192.168.114.1:443
./post_xml.py ConfigServiceGraphWithParams_SP_cs_ssl_2.xml 192.168.114.1:443

# CS/DB: /Citrix/APICscript/SP_CS_DB/
# =====

```



```

./post_xml.py CreateServiceGraphWithParams_SP_cs_DB_1.xml 192.168.114.1:443
./post_xml.py CreateServiceGraphWithParams_SP_cs_DB_2.xml 192.168.114.1:443

# AppFW: /Citrix/APICscript/AppFW/
# =====
./post_xml.py CreateServiceGraphWithParams_AppFW.xml 192.168.114.1:443
./post_xml.py ConfigServiceGraph_SP_cs_ssl_1_withAppFW-policy.xml 192.168.114.1:443
./post_xml.py ConfigAppFW_block_SQL_injection.xml 192.168.114.1:443
./post_xml.py ConfigAppFW_block_XSS.xml 192.168.114.1:443

# GSLB: /Citrix/APICscript/SP_GSLB/
# =====
./post_xml.py CreateServiceGraphWithParams_SP_GSLB_1.xml 192.168.114.1:443
./post_xml.py CreateServiceGraphWithParams_SP_GSLB_2.xml 192.168.114.1:443
./post_xml.py ConfigParameters_SP_GSLB_DynamicProx.xml 192.168.114.1:443
./post_xml.py ConfigParameters_SP_GSLB_StaticProx.xml 192.168.114.1:443
./post_xml.py ConfigParameters_SP_GSLB_LeastConn.xml 192.168.114.1:443

```

The first eight files perform configuration tasks that set up basic network service functions that APIC applies to the NetScaler instances. These tasks include the configuration of Load Balancing and SSL off-loading functions that are performed on generic traffic. The remaining files configure NetScaler functions that are specific to SharePoint Server 2013 workloads.

## XML Files for Configuring NetScaler Instances

The following system solution XML files for configuring NetScaler instances are available for reference:

### XML Files for Configuring Basic Functions, page C-10

- [CreateServiceGraph\\_lb\\_http.xml](#), page C-10
- [ConfigServiceGraphWithParams\\_lb\\_http.xml](#), page C-30
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- XML for Content Switching
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  - [CreateServiceGraph\\_SP\\_cs\\_ssl\\_2.xml](#), page C-47
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- XML for Database Content Switching
  - [CreateServiceGraphWithParams\\_SP\\_cs\\_DB\\_1.xml](#), page C-49
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- [XML for Application Firewall](#)
  - [CreateServiceGraphWithParams\\_AppFW.xml](#), page C-56
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- [XML for Global Server Load Balancing \(GSLB\)](#)
  - [CreateServiceGraphWithParams\\_SP\\_GSLB\\_1.xml](#) , page C-66
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## XML Files for Configuring Basic Functions

These XML files set up basic NetScaler network service functions that process generic traffic on the ACI fabric:

- [CreateServiceGraph\\_lb\\_http.xml](#), page C-10  
Creates a service graph (WebGraph) for HTTP, SSL, DNS, and TCP load balancing.
- [ConfigServiceGraphWithParams\\_lb\\_http.xml](#) , page C-30  
Configures L4-L7 parameters for the load balancing service graph.
- [CreateContract\\_lb\\_http.xml](#), page C-31  
Configures a contract for load balancing traffic.
- [AttachGraphToContract\\_lb\\_http.xml](#) , page C-32  
Attaches the service graph to the contract.
- [CreateServiceGraph\\_lb\\_ssl.xml](#) , page C-32  
Creates a service graph (WebGraph\_ssl) for SSL Offloading.
- [ConfigServiceGraphWithParams\\_lb\\_ssl.xml](#), page C-40  
Configures L4-L7 parameters for the SSL Offloading service graph.
- [CreateContract\\_lb\\_ssl.xml](#), page C-40  
Configures a contract for SSL Offloading of generic traffic on the fabric.
- [AttachGraphToContract\\_lb\\_ssl.xml](#) , page C-41  
Attaches the SSL Offloading service graph to a contract.

### **CreateServiceGraph\_lb\_http.xml**

Creates a service graph (WebGraph) for HTTP, SSL, DNS, and TCP load balancing.

```
<!-- CreateServiceGraph_lb_http.xml -->
<!-- Create service graph for LB -->
<polUni>
  <fvTenant name="silverTenant1">
    <!-- Application Profile -->
    <fvAp dn="uni/tn-silverTenant1/ap-Web1-AppProfile" name="Web1-AppProfile">
```

```

<!-- EPG 1 -->
<fvAEPg dn="uni/tn-silverTenant1/ap-Web1-AppProfile/epg-Web1-EPG"
  name="Web1-EPG">
  <fvRsBd tnFvBDName="silverTenant1-BD1" />
  <fvRsProv tnVzBrCPName="webCtrct1"></fvRsProv>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="Network" name="network">
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
      nodeNameOrLbl="LB1" key="nsip" name="snip1">
      <vnsParamInst key="ipaddress" name="ip1" value="101.16.1.11"/>
      <vnsParamInst key="netmask" name="netmask1" value="255.255.255.0"/>
      <vnsParamInst key="dynamicrouting" name="dynamicRouting"
        value="ENABLED"/>
      <vnsParamInst key="hostroute" name="hostroute" value="DISABLED"/>
      <vnsParamInst key="mgmtaccess" name="mgmtaccess" value="ENABLED"/>
      <vnsParamInst key="type" name="type" value="SNIP"/>
    </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="nsip" name="snip2">
    <vnsParamInst key="ipaddress" name="ip2" value="10.16.1.11"/>
    <vnsParamInst key="netmask" name="netmask2" value="255.255.255.0"/>
    <vnsParamInst key="dynamicrouting" name="dynamicRouting"
      value="DISABLED"/>
    <vnsParamInst key="hostroute" name="hostroute" value="DISABLED"/>
    <vnsParamInst key="mgmtaccess" name="mgmtaccess" value="ENABLED"/>
    <vnsParamInst key="type" name="type" value="SNIP"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="nsip" name="snip3">
    <vnsParamInst key="ipaddress" name="ip3" value="10.16.1.12"/>
    <vnsParamInst key="netmask" name="netmask3" value="255.255.255.0"/>
    <vnsParamInst key="dynamicrouting" name="dynamicRouting"
      value="DISABLED"/>
    <vnsParamInst key="hostroute" name="hostroute" value="DISABLED"/>
    <vnsParamInst key="type" name="type" value="SNIP"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="nsip" name="snip4">
    <vnsParamInst key="ipaddress" name="ip4" value="10.16.1.13"/>
    <vnsParamInst key="netmask" name="netmask4" value="255.255.255.0"/>
    <vnsParamInst key="dynamicrouting" name="dynamicRouting"
      value="DISABLED"/>
    <vnsParamInst key="hostroute" name="hostroute" value="DISABLED"/>
    <vnsParamInst key="type" name="type" value="SNIP"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="route" name="route1">
    <vnsParamInst key="network" name="network1" value="0.0.0.0"/>
    <vnsParamInst key="netmask" name="netmask1" value="0.0.0.0"/>
    <vnsParamInst key="gateway" name="gateway1" value="101.16.1.254"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="route" name="route2">
    <vnsParamInst key="network" name="network2" value="10.1.1.0"/>
    <vnsParamInst key="netmask" name="netmask2" value="255.255.255.0"/>
    <vnsParamInst key="gateway" name="gateway2" value="10.16.1.254"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="route" name="route3">
    <vnsParamInst key="network" name="network3" value="10.1.2.0"/>
    <vnsParamInst key="netmask" name="netmask3" value="255.255.255.0"/>
    <vnsParamInst key="gateway" name="gateway2" value="10.16.1.254"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"

```

```

    nodeNameOrLbl="LB1" key="route" name="route4">
<vnsParamInst key="network" name="network4" value="10.1.3.0"/>
<vnsParamInst key="netmask" name="netmask4" value="255.255.255.0"/>
<vnsParamInst key="gateway" name="gateway2" value="10.16.1.254"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="route" name="route5">
<vnsParamInst key="network" name="network5" value="10.16.2.0"/>
<vnsParamInst key="netmask" name="netmask5" value="255.255.255.0"/>
<vnsParamInst key="gateway" name="gateway2" value="10.16.1.254"/>
</vnsFolderInst>
</vnsFolderInst>

<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="lbvserver" name="vip-tg-101">
<vnsParamInst name="name" key="name" value="vip-tg-101"/>
<vnsParamInst name="ipv46" key="ipv46" value="101.16.1.101"/>
<vnsParamInst name="servicetype" key="servicetype" value="HTTP"/>
<vnsParamInst name="port" key="port" value="80"/>
<vnsParamInst name="clttimeout" key="clttimeout" value="200"/>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="lbvserver_service_binding"
  name="service-tg-01">
  <vnsCfgRelInst key="servicename" name="service-tg-01"
  targetName="service-tg-01"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="lbvserver_service_binding"
  name="service-tg-02">
  <vnsCfgRelInst key="servicename" name="service-tg-02"
  targetName="service-tg-02"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="lbvserver_service_binding"
  name="service-tg-03">
  <vnsCfgRelInst key="servicename" name="service-tg-03"
  targetName="service-tg-03"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="lbvserver_service_binding"
  name="service-tg-04">
  <vnsCfgRelInst key="servicename" name="service-tg-04"
  targetName="service-tg-04"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="lbvserver_service_binding"
  name="service-tg-05">
  <vnsCfgRelInst key="servicename" name="service-tg-05"
  targetName="service-tg-05"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="lbvserver_service_binding"
  name="service-tg-06">
  <vnsCfgRelInst key="servicename" name="service-tg-06"
  targetName="service-tg-06"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="lbvserver_service_binding"
  name="service-tg-07">
  <vnsCfgRelInst key="servicename" name="service-tg-07"
  targetName="service-tg-07"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"

```

```

        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-08">
        <vnsCfgRelInst key="servicename" name="service-tg-08"
        targetName="service-tg-08" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-09">
        <vnsCfgRelInst key="servicename" name="service-tg-09"
        targetName="service-tg-09" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-10">
        <vnsCfgRelInst key="servicename" name="service-tg-10"
        targetName="service-tg-10" />
    </vnsFolderInst>
</vnsFolderInst>

<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="lbvserver" name="vip-tg-102">
    <vnsParamInst name="name" key="name" value="vip-tg-102" />
    <vnsParamInst name="ipv46" key="ipv46" value="101.16.1.102" />
    <vnsParamInst name="servicetype" key="servicetype" value="HTTP" />
    <vnsParamInst name="port" key="port" value="80" />
    <vnsParamInst name="clttimeout" key="clttimeout" value="200" />
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-11">
        <vnsCfgRelInst key="servicename" name="service-tg-11"
        targetName="service-tg-11" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-12">
        <vnsCfgRelInst key="servicename" name="service-tg-12"
        targetName="service-tg-12" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-13">
        <vnsCfgRelInst key="servicename" name="service-tg-13"
        targetName="service-tg-13" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-14">
        <vnsCfgRelInst key="servicename" name="service-tg-14"
        targetName="service-tg-14" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-15">
        <vnsCfgRelInst key="servicename" name="service-tg-15"
        targetName="service-tg-15" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-16">
        <vnsCfgRelInst key="servicename" name="service-tg-16"
        targetName="service-tg-16" />
    </vnsFolderInst>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"

```

```

        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-17">
        <vnsCfgRelInst key="servicename" name="service-tg-17"
        targetName="service-tg-17" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="lbvserver_service_binding"
    name="service-tg-18">
        <vnsCfgRelInst key="servicename" name="service-tg-18"
        targetName="service-tg-18" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="lbvserver_service_binding"
    name="service-tg-19">
        <vnsCfgRelInst key="servicename" name="service-tg-19"
        targetName="service-tg-19" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="lbvserver_service_binding"
    name="service-tg-20">
        <vnsCfgRelInst key="servicename" name="service-tg-20"
        targetName="service-tg-20" />
    </vnsFolderInst>
</vnsFolderInst>

    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="lbvserver" name="vip-tg-105">
        <vnsParamInst name="name" key="name" value="vip-tg-105" />
        <vnsParamInst name="ipv46" key="ipv46" value="101.16.1.105" />
        <vnsParamInst name="servicetype" key="servicetype" value="TCP" />
        <vnsParamInst name="port" key="port" value="8080" />
        <vnsParamInst name="clttimeout" key="clttimeout" value="200" />
        <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-41">
            <vnsCfgRelInst key="servicename" name="service-tg-41"
            targetName="service-tg-41" />
        </vnsFolderInst>
        <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-42">
            <vnsCfgRelInst key="servicename" name="service-tg-42"
            targetName="service-tg-42" />
        </vnsFolderInst>
        <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-43">
            <vnsCfgRelInst key="servicename" name="service-tg-43"
            targetName="service-tg-43" />
        </vnsFolderInst>
        <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-44">
            <vnsCfgRelInst key="servicename" name="service-tg-44"
            targetName="service-tg-44" />
        </vnsFolderInst>
        <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-45">
            <vnsCfgRelInst key="servicename" name="service-tg-45"
            targetName="service-tg-45" />
        </vnsFolderInst>
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"

```

```

        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-46">
        <vnsCfgRelInst key="servicename" name="service-tg-46"
        targetName="service-tg-46" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-47">
        <vnsCfgRelInst key="servicename" name="service-tg-47"
        targetName="service-tg-47" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-48">
        <vnsCfgRelInst key="servicename" name="service-tg-48"
        targetName="service-tg-48" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-49">
        <vnsCfgRelInst key="servicename" name="service-tg-49"
        targetName="service-tg-49" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-50">
        <vnsCfgRelInst key="servicename" name="service-tg-50"
        targetName="service-tg-50" />
    </vnsFolderInst>
</vnsFolderInst>

<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="lbvserver" name="vip-tg-106">
    <vnsParamInst name="name" key="name" value="vip-tg-106" />
    <vnsParamInst name="ipv46" key="ipv46" value="101.16.1.106" />
    <vnsParamInst name="servicetype" key="servicetype" value="TCP" />
    <vnsParamInst name="port" key="port" value="8080" />
    <vnsParamInst name="clttimeout" key="clttimeout" value="200" />
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-51">
        <vnsCfgRelInst key="servicename" name="service-tg-51"
        targetName="service-tg-51" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-52">
        <vnsCfgRelInst key="servicename" name="service-tg-52"
        targetName="service-tg-52" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-53">
        <vnsCfgRelInst key="servicename" name="service-tg-53"
        targetName="service-tg-53" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-54">
        <vnsCfgRelInst key="servicename" name="service-tg-54"
        targetName="service-tg-54" />
    </vnsFolderInst>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"

```

```

        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-55">
        <vnsCfgRelInst key="servicename" name="service-tg-55"
        targetName="service-tg-55" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="lbvserver_service_binding"
    name="service-tg-56">
        <vnsCfgRelInst key="servicename" name="service-tg-56"
        targetName="service-tg-56" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="lbvserver_service_binding"
    name="service-tg-57">
        <vnsCfgRelInst key="servicename" name="service-tg-57"
        targetName="service-tg-57" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="lbvserver_service_binding"
    name="service-tg-58">
        <vnsCfgRelInst key="servicename" name="service-tg-58"
        targetName="service-tg-58" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="lbvserver_service_binding"
    name="service-tg-59">
        <vnsCfgRelInst key="servicename" name="service-tg-59"
        targetName="service-tg-59" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="lbvserver_service_binding"
    name="service-tg-60">
        <vnsCfgRelInst key="servicename" name="service-tg-60"
        targetName="service-tg-60" />
    </vnsFolderInst>
</vnsFolderInst>

<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="lbvserver" name="vip-tg-107">
    <vnsParamInst name="name" key="name" value="vip-tg-107" />
    <vnsParamInst name="ipv46" key="ipv46" value="101.16.1.107" />
    <vnsParamInst name="servicetype" key="servicetype" value="DNS" />
    <vnsParamInst name="port" key="port" value="53" />
    <vnsParamInst name="clttimeout" key="clttimeout" value="200" />
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="lbvserver_service_binding"
    name="service-tg-61">
        <vnsCfgRelInst key="servicename" name="service-tg-61"
        targetName="service-tg-61" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="lbvserver_service_binding"
    name="service-tg-62">
        <vnsCfgRelInst key="servicename" name="service-tg-62"
        targetName="service-tg-62" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="lbvserver_service_binding"
    name="service-tg-63">
        <vnsCfgRelInst key="servicename" name="service-tg-63"
        targetName="service-tg-63" />
    </vnsFolderInst>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"

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        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-64">
        <vnsCfgRelInst key="servicename" name="service-tg-64"
        targetName="service-tg-64" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-65">
        <vnsCfgRelInst key="servicename" name="service-tg-65"
        targetName="service-tg-65" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-66">
        <vnsCfgRelInst key="servicename" name="service-tg-66"
        targetName="service-tg-66" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-67">
        <vnsCfgRelInst key="servicename" name="service-tg-67"
        targetName="service-tg-67" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-68">
        <vnsCfgRelInst key="servicename" name="service-tg-68"
        targetName="service-tg-68" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-69">
        <vnsCfgRelInst key="servicename" name="service-tg-69"
        targetName="service-tg-69" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-70">
        <vnsCfgRelInst key="servicename" name="service-tg-70"
        targetName="service-tg-70" />
    </vnsFolderInst>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="lbvserver" name="vip-tg-108">
    <vnsParamInst name="name" key="name" value="vip-tg-108" />
    <vnsParamInst name="ipv46" key="ipv46" value="101.16.1.108" />
    <vnsParamInst name="servicetype" key="servicetype" value="DNS" />
    <vnsParamInst name="port" key="port" value="53" />
    <vnsParamInst name="clttimeout" key="clttimeout" value="200" />
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-71">
        <vnsCfgRelInst key="servicename" name="service-tg-71"
        targetName="service-tg-71" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-72">
        <vnsCfgRelInst key="servicename" name="service-tg-72"
        targetName="service-tg-72" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"

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        nodeNameOrLbl="LB1" key="lbvserver_service_binding"
        name="service-tg-73">
        <vnsCfgRelInst key="servicename" name="service-tg-73"
        targetName="service-tg-73" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="lbvserver_service_binding"
    name="service-tg-74">
        <vnsCfgRelInst key="servicename" name="service-tg-74"
        targetName="service-tg-74" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="lbvserver_service_binding"
    name="service-tg-75">
        <vnsCfgRelInst key="servicename" name="service-tg-75"
        targetName="service-tg-75" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="lbvserver_service_binding"
    name="service-tg-76">
        <vnsCfgRelInst key="servicename" name="service-tg-76"
        targetName="service-tg-76" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="lbvserver_service_binding"
    name="service-tg-77">
        <vnsCfgRelInst key="servicename" name="service-tg-77"
        targetName="service-tg-77" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="lbvserver_service_binding"
    name="service-tg-78">
        <vnsCfgRelInst key="servicename" name="service-tg-78"
        targetName="service-tg-78" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="lbvserver_service_binding"
    name="service-tg-79">
        <vnsCfgRelInst key="servicename" name="service-tg-79"
        targetName="service-tg-79" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="lbvserver_service_binding"
    name="service-tg-80">
        <vnsCfgRelInst key="servicename" name="service-tg-80"
        targetName="service-tg-80" />
    </vnsFolderInst>
</vnsFolderInst>

<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="service" name="service-tg-01">
    <vnsParamInst name="name" key="name" value="service-tg-01" />
    <vnsParamInst name="ip" key="ip" value="10.16.2.1" />
    <vnsParamInst name="servicetype" key="servicetype" value="HTTP" />
    <vnsParamInst name="port" key="port" value="80" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="service" name="service-tg-02">
    <vnsParamInst name="name" key="name" value="service-tg-02" />
    <vnsParamInst name="ip" key="ip" value="10.16.2.2" />
    <vnsParamInst name="servicetype" key="servicetype" value="HTTP" />
    <vnsParamInst name="port" key="port" value="80" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"

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        nodeNameOrLbl="LB1" key="service" name="service-tg-03">
<vnsParamInst name="name" key="name" value="service-tg-03"/>
<vnsParamInst name="ip" key="ip" value="10.16.2.3"/>
<vnsParamInst name="servicetype" key="servicetype" value="HTTP"/>
<vnsParamInst name="port" key="port" value="80"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-04">
  <vnsParamInst name="name" key="name" value="service-tg-04"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.4"/>
  <vnsParamInst name="servicetype" key="servicetype" value="HTTP"/>
  <vnsParamInst name="port" key="port" value="80"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-05">
  <vnsParamInst name="name" key="name" value="service-tg-05"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.5"/>
  <vnsParamInst name="servicetype" key="servicetype" value="HTTP"/>
  <vnsParamInst name="port" key="port" value="80"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-06">
  <vnsParamInst name="name" key="name" value="service-tg-06"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.6"/>
  <vnsParamInst name="servicetype" key="servicetype" value="HTTP"/>
  <vnsParamInst name="port" key="port" value="80"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-07">
  <vnsParamInst name="name" key="name" value="service-tg-07"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.7"/>
  <vnsParamInst name="servicetype" key="servicetype" value="HTTP"/>
  <vnsParamInst name="port" key="port" value="80"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-08">
  <vnsParamInst name="name" key="name" value="service-tg-08"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.8"/>
  <vnsParamInst name="servicetype" key="servicetype" value="HTTP"/>
  <vnsParamInst name="port" key="port" value="80"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-09">
  <vnsParamInst name="name" key="name" value="service-tg-09"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.9"/>
  <vnsParamInst name="servicetype" key="servicetype" value="HTTP"/>
  <vnsParamInst name="port" key="port" value="80"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-10">
  <vnsParamInst name="name" key="name" value="service-tg-10"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.10"/>
  <vnsParamInst name="servicetype" key="servicetype" value="HTTP"/>
  <vnsParamInst name="port" key="port" value="80"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-11">
  <vnsParamInst name="name" key="name" value="service-tg-11"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.11"/>
  <vnsParamInst name="servicetype" key="servicetype" value="HTTP"/>
  <vnsParamInst name="port" key="port" value="80"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-12">

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<vnsParamInst name="name" key="name" value="service-tg-12"/>
<vnsParamInst name="ip" key="ip" value="10.16.2.12"/>
<vnsParamInst name="servicetype" key="servicetype" value="HTTP"/>
<vnsParamInst name="port" key="port" value="80"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-13">
  <vnsParamInst name="name" key="name" value="service-tg-13"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.13"/>
  <vnsParamInst name="servicetype" key="servicetype" value="HTTP"/>
  <vnsParamInst name="port" key="port" value="80"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-14">
  <vnsParamInst name="name" key="name" value="service-tg-14"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.14"/>
  <vnsParamInst name="servicetype" key="servicetype" value="HTTP"/>
  <vnsParamInst name="port" key="port" value="80"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-15">
  <vnsParamInst name="name" key="name" value="service-tg-15"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.15"/>
  <vnsParamInst name="servicetype" key="servicetype" value="HTTP"/>
  <vnsParamInst name="port" key="port" value="80"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-16">
  <vnsParamInst name="name" key="name" value="service-tg-16"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.16"/>
  <vnsParamInst name="servicetype" key="servicetype" value="HTTP"/>
  <vnsParamInst name="port" key="port" value="80"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-17">
  <vnsParamInst name="name" key="name" value="service-tg-17"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.17"/>
  <vnsParamInst name="servicetype" key="servicetype" value="HTTP"/>
  <vnsParamInst name="port" key="port" value="80"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-18">
  <vnsParamInst name="name" key="name" value="service-tg-18"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.18"/>
  <vnsParamInst name="servicetype" key="servicetype" value="HTTP"/>
  <vnsParamInst name="port" key="port" value="80"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-19">
  <vnsParamInst name="name" key="name" value="service-tg-19"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.19"/>
  <vnsParamInst name="servicetype" key="servicetype" value="HTTP"/>
  <vnsParamInst name="port" key="port" value="80"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-20">
  <vnsParamInst name="name" key="name" value="service-tg-20"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.20"/>
  <vnsParamInst name="servicetype" key="servicetype" value="HTTP"/>
  <vnsParamInst name="port" key="port" value="80"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-41">
  <vnsParamInst name="name" key="name" value="service-tg-41"/>

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    <vnsParamInst name="ip" key="ip" value="10.16.2.41"/>
    <vnsParamInst name="servicetype" key="servicetype" value="TCP"/>
    <vnsParamInst name="port" key="port" value="8080"/>
  </vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-42">
  <vnsParamInst name="name" key="name" value="service-tg-42"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.42"/>
  <vnsParamInst name="servicetype" key="servicetype" value="TCP"/>
  <vnsParamInst name="port" key="port" value="8080"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-43">
  <vnsParamInst name="name" key="name" value="service-tg-43"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.43"/>
  <vnsParamInst name="servicetype" key="servicetype" value="TCP"/>
  <vnsParamInst name="port" key="port" value="8080"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-44">
  <vnsParamInst name="name" key="name" value="service-tg-44"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.44"/>
  <vnsParamInst name="servicetype" key="servicetype" value="TCP"/>
  <vnsParamInst name="port" key="port" value="8080"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-45">
  <vnsParamInst name="name" key="name" value="service-tg-45"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.45"/>
  <vnsParamInst name="servicetype" key="servicetype" value="TCP"/>
  <vnsParamInst name="port" key="port" value="8080"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-46">
  <vnsParamInst name="name" key="name" value="service-tg-46"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.46"/>
  <vnsParamInst name="servicetype" key="servicetype" value="TCP"/>
  <vnsParamInst name="port" key="port" value="8080"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-47">
  <vnsParamInst name="name" key="name" value="service-tg-47"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.47"/>
  <vnsParamInst name="servicetype" key="servicetype" value="TCP"/>
  <vnsParamInst name="port" key="port" value="8080"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-48">
  <vnsParamInst name="name" key="name" value="service-tg-48"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.48"/>
  <vnsParamInst name="servicetype" key="servicetype" value="TCP"/>
  <vnsParamInst name="port" key="port" value="8080"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-49">
  <vnsParamInst name="name" key="name" value="service-tg-49"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.49"/>
  <vnsParamInst name="servicetype" key="servicetype" value="TCP"/>
  <vnsParamInst name="port" key="port" value="8080"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-50">
  <vnsParamInst name="name" key="name" value="service-tg-50"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.50"/>

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    <vnsParamInst name="servicetype" key="servicetype" value="TCP"/>
    <vnsParamInst name="port" key="port" value="8080"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-51">
  <vnsParamInst name="name" key="name" value="service-tg-51"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.51"/>
  <vnsParamInst name="servicetype" key="servicetype" value="TCP"/>
  <vnsParamInst name="port" key="port" value="8080"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-52">
  <vnsParamInst name="name" key="name" value="service-tg-52"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.52"/>
  <vnsParamInst name="servicetype" key="servicetype" value="TCP"/>
  <vnsParamInst name="port" key="port" value="8080"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-53">
  <vnsParamInst name="name" key="name" value="service-tg-53"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.53"/>
  <vnsParamInst name="servicetype" key="servicetype" value="TCP"/>
  <vnsParamInst name="port" key="port" value="8080"/>
</vnsFolderInst>

<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-54">
  <vnsParamInst name="name" key="name" value="service-tg-54"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.54"/>
  <vnsParamInst name="servicetype" key="servicetype" value="TCP"/>
  <vnsParamInst name="port" key="port" value="8080"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-55">
  <vnsParamInst name="name" key="name" value="service-tg-55"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.55"/>
  <vnsParamInst name="servicetype" key="servicetype" value="TCP"/>
  <vnsParamInst name="port" key="port" value="8080"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-56">
  <vnsParamInst name="name" key="name" value="service-tg-56"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.56"/>
  <vnsParamInst name="servicetype" key="servicetype" value="TCP"/>
  <vnsParamInst name="port" key="port" value="8080"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-57">
  <vnsParamInst name="name" key="name" value="service-tg-57"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.57"/>
  <vnsParamInst name="servicetype" key="servicetype" value="TCP"/>
  <vnsParamInst name="port" key="port" value="8080"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-58">
  <vnsParamInst name="name" key="name" value="service-tg-58"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.58"/>
  <vnsParamInst name="servicetype" key="servicetype" value="TCP"/>
  <vnsParamInst name="port" key="port" value="8080"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-59">
  <vnsParamInst name="name" key="name" value="service-tg-59"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.59"/>

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    <vnsParamInst name="servicetype" key="servicetype" value="TCP" />
    <vnsParamInst name="port" key="port" value="8080" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-60">
  <vnsParamInst name="name" key="name" value="service-tg-60" />
  <vnsParamInst name="ip" key="ip" value="10.16.2.60" />
  <vnsParamInst name="servicetype" key="servicetype" value="TCP" />
  <vnsParamInst name="port" key="port" value="8080" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-61">
  <vnsParamInst name="name" key="name" value="service-tg-61" />
  <vnsParamInst name="ip" key="ip" value="10.16.2.61" />
  <vnsParamInst name="servicetype" key="servicetype" value="DNS" />
  <vnsParamInst name="port" key="port" value="53" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-62">
  <vnsParamInst name="name" key="name" value="service-tg-62" />
  <vnsParamInst name="ip" key="ip" value="10.16.2.62" />
  <vnsParamInst name="servicetype" key="servicetype" value="DNS" />
  <vnsParamInst name="port" key="port" value="53" />
</vnsFolderInst>

<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-63">
  <vnsParamInst name="name" key="name" value="service-tg-63" />
  <vnsParamInst name="ip" key="ip" value="10.16.2.63" />
  <vnsParamInst name="servicetype" key="servicetype" value="DNS" />
  <vnsParamInst name="port" key="port" value="53" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-64">
  <vnsParamInst name="name" key="name" value="service-tg-64" />
  <vnsParamInst name="ip" key="ip" value="10.16.2.64" />
  <vnsParamInst name="servicetype" key="servicetype" value="DNS" />
  <vnsParamInst name="port" key="port" value="53" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-65">
  <vnsParamInst name="name" key="name" value="service-tg-65" />
  <vnsParamInst name="ip" key="ip" value="10.16.2.65" />
  <vnsParamInst name="servicetype" key="servicetype" value="DNS" />
  <vnsParamInst name="port" key="port" value="53" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-66">
  <vnsParamInst name="name" key="name" value="service-tg-66" />
  <vnsParamInst name="ip" key="ip" value="10.16.2.66" />
  <vnsParamInst name="servicetype" key="servicetype" value="DNS" />
  <vnsParamInst name="port" key="port" value="53" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-67">
  <vnsParamInst name="name" key="name" value="service-tg-67" />
  <vnsParamInst name="ip" key="ip" value="10.16.2.67" />
  <vnsParamInst name="servicetype" key="servicetype" value="DNS" />
  <vnsParamInst name="port" key="port" value="53" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-68">
  <vnsParamInst name="name" key="name" value="service-tg-68" />
  <vnsParamInst name="ip" key="ip" value="10.16.2.68" />

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    <vnsParamInst name="servicetype" key="servicetype" value="DNS"/>
    <vnsParamInst name="port" key="port" value="53"/>
  </vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-69">
  <vnsParamInst name="name" key="name" value="service-tg-69"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.69"/>
  <vnsParamInst name="servicetype" key="servicetype" value="DNS"/>
  <vnsParamInst name="port" key="port" value="53"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-70">
  <vnsParamInst name="name" key="name" value="service-tg-70"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.70"/>
  <vnsParamInst name="servicetype" key="servicetype" value="DNS"/>
  <vnsParamInst name="port" key="port" value="53"/>
</vnsFolderInst>

<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-71">
  <vnsParamInst name="name" key="name" value="service-tg-71"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.71"/>
  <vnsParamInst name="servicetype" key="servicetype" value="DNS"/>
  <vnsParamInst name="port" key="port" value="53"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-72">
  <vnsParamInst name="name" key="name" value="service-tg-72"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.72"/>
  <vnsParamInst name="servicetype" key="servicetype" value="DNS"/>
  <vnsParamInst name="port" key="port" value="53"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-73">
  <vnsParamInst name="name" key="name" value="service-tg-73"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.73"/>
  <vnsParamInst name="servicetype" key="servicetype" value="DNS"/>
  <vnsParamInst name="port" key="port" value="53"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-74">
  <vnsParamInst name="name" key="name" value="service-tg-74"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.74"/>
  <vnsParamInst name="servicetype" key="servicetype" value="DNS"/>
  <vnsParamInst name="port" key="port" value="53"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-75">
  <vnsParamInst name="name" key="name" value="service-tg-75"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.75"/>
  <vnsParamInst name="servicetype" key="servicetype" value="DNS"/>
  <vnsParamInst name="port" key="port" value="53"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-76">
  <vnsParamInst name="name" key="name" value="service-tg-76"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.76"/>
  <vnsParamInst name="servicetype" key="servicetype" value="DNS"/>
  <vnsParamInst name="port" key="port" value="53"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-77">
  <vnsParamInst name="name" key="name" value="service-tg-77"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.77"/>

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    <vnsParamInst name="servicetype" key="servicetype" value="DNS" />
    <vnsParamInst name="port" key="port" value="53" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-78">
  <vnsParamInst name="name" key="name" value="service-tg-78" />
  <vnsParamInst name="ip" key="ip" value="10.16.2.78" />
  <vnsParamInst name="servicetype" key="servicetype" value="DNS" />
  <vnsParamInst name="port" key="port" value="53" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-79">
  <vnsParamInst name="name" key="name" value="service-tg-79" />
  <vnsParamInst name="ip" key="ip" value="10.16.2.79" />
  <vnsParamInst name="servicetype" key="servicetype" value="DNS" />
  <vnsParamInst name="port" key="port" value="53" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="service" name="service-tg-80">
  <vnsParamInst name="name" key="name" value="service-tg-80" />
  <vnsParamInst name="ip" key="ip" value="10.16.2.80" />
  <vnsParamInst name="servicetype" key="servicetype" value="DNS" />
  <vnsParamInst name="port" key="port" value="53" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCnglbvserver" name="Func_vip-tg-101">
  <vnsCfgRelInst name="lbsverver_key" key="lbvserver_key"
    targetName="vip-tg-101" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCnglbvserver" name="Func_vip-tg-102">
  <vnsCfgRelInst name="lbsverver_key" key="lbvserver_key"
    targetName="vip-tg-102" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCnglbvserver" name="Func_vip-tg-105">
  <vnsCfgRelInst name="lbsverver_key" key="lbvserver_key"
    targetName="vip-tg-105" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCnglbvserver" name="Func_vip-tg-106">
  <vnsCfgRelInst name="lbsverver_key" key="lbvserver_key"
    targetName="vip-tg-106" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCnglbvserver" name="Func_vip-tg-107">
  <vnsCfgRelInst name="lbsverver_key" key="lbvserver_key"
    targetName="vip-tg-107" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCnglbvserver" name="Func_vip-tg-108">
  <vnsCfgRelInst name="lbsverver_key" key="lbvserver_key"
    targetName="vip-tg-108" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-01">
  <vnsCfgRelInst name="Func_service-tg-01_key" key="service_key"
    targetName="service-tg-01" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-02">
  <vnsCfgRelInst name="Func_service-tg-02_key" key="service_key"
    targetName="service-tg-02" />
</vnsFolderInst>

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<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-03">
  <vnsCfgRelInst name="Func_service-tg-03_key" key="service_key"
    targetName="service-tg-03"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-04">
  <vnsCfgRelInst name="Func_service-tg-04_key" key="service_key"
    targetName="service-tg-04"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-05">
  <vnsCfgRelInst name="Func_service-tg-05_key" key="service_key"
    targetName="service-tg-05"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-06">
  <vnsCfgRelInst name="Func_service-tg-06_key" key="service_key"
    targetName="service-tg-06"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-07">
  <vnsCfgRelInst name="Func_service-tg-07_key" key="service_key"
    targetName="service-tg-07"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-08">
  <vnsCfgRelInst name="Func_service-tg-08_key" key="service_key"
    targetName="service-tg-08"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-09">
  <vnsCfgRelInst name="Func_service-tg-09_key" key="service_key"
    targetName="service-tg-09"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-10">
  <vnsCfgRelInst name="Func_service-tg-10_key" key="service_key"
    targetName="service-tg-10"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-11">
  <vnsCfgRelInst name="Func_service-tg-11_key" key="service_key"
    targetName="service-tg-11"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-12">
  <vnsCfgRelInst name="Func_service-tg-12_key" key="service_key"
    targetName="service-tg-12"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-13">
  <vnsCfgRelInst name="Func_service-tg-13_key" key="service_key"
    targetName="service-tg-13"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-14">
  <vnsCfgRelInst name="Func_service-tg-14_key" key="service_key"
    targetName="service-tg-14"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-15">
  <vnsCfgRelInst name="Func_service-tg-15_key" key="service_key"
    targetName="service-tg-15"/>

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</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-16">
  <vnsCfgRelInst name="Func_service-tg-16_key" key="service_key"
    targetName="service-tg-16" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-17">
  <vnsCfgRelInst name="Func_service-tg-17_key" key="service_key"
    targetName="service-tg-17" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-18">
  <vnsCfgRelInst name="Func_service-tg-18_key" key="service_key"
    targetName="service-tg-18" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-19">
  <vnsCfgRelInst name="Func_service-tg-19_key" key="service_key"
    targetName="service-tg-19" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-20">
  <vnsCfgRelInst name="Func_service-tg-20_key" key="service_key"
    targetName="service-tg-20" />
</vnsFolderInst>

<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-41">
  <vnsCfgRelInst name="Func_service-tg-41_key" key="service_key"
    targetName="service-tg-41" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-42">
  <vnsCfgRelInst name="Func_service-tg-42_key" key="service_key"
    targetName="service-tg-42" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-43">
  <vnsCfgRelInst name="Func_service-tg-43_key" key="service_key"
    targetName="service-tg-43" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-44">
  <vnsCfgRelInst name="Func_service-tg-44_key" key="service_key"
    targetName="service-tg-44" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-45">
  <vnsCfgRelInst name="Func_service-tg-45_key" key="service_key"
    targetName="service-tg-45" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-46">
  <vnsCfgRelInst name="Func_service-tg-46_key" key="service_key"
    targetName="service-tg-46" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-47">
  <vnsCfgRelInst name="Func_service-tg-47_key" key="service_key"
    targetName="service-tg-47" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-48">

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    <vnsCfgRelInst name="Func_service-tg-48_key" key="service_key"
      targetName="service-tg-48"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-49">
    <vnsCfgRelInst name="Func_service-tg-49_key" key="service_key"
      targetName="service-tg-49"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-50">
    <vnsCfgRelInst name="Func_service-tg-50_key" key="service_key"
      targetName="service-tg-50"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-51">
    <vnsCfgRelInst name="Func_service-tg-51_key" key="service_key"
      targetName="service-tg-51"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-52">
    <vnsCfgRelInst name="Func_service-tg-52_key" key="service_key"
      targetName="service-tg-52"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-53">
    <vnsCfgRelInst name="Func_service-tg-53_key" key="service_key"
      targetName="service-tg-53"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-54">
    <vnsCfgRelInst name="Func_service-tg-54_key" key="service_key"
      targetName="service-tg-54"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-55">
    <vnsCfgRelInst name="Func_service-tg-55_key" key="service_key"
      targetName="service-tg-55"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-56">
    <vnsCfgRelInst name="Func_service-tg-56_key" key="service_key"
      targetName="service-tg-56"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-57">
    <vnsCfgRelInst name="Func_service-tg-57_key" key="service_key"
      targetName="service-tg-57"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-58">
    <vnsCfgRelInst name="Func_service-tg-58_key" key="service_key"
      targetName="service-tg-58"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-59">
    <vnsCfgRelInst name="Func_service-tg-59_key" key="service_key"
      targetName="service-tg-59"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
    nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-60">
    <vnsCfgRelInst name="Func_service-tg-60_key" key="service_key"
      targetName="service-tg-60"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"

```

```

        nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-61">
        <vnsCfgRelInst name="Func_service-tg-61_key" key="service_key"
        targetName="service-tg-61" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-62">
        <vnsCfgRelInst name="Func_service-tg-62_key" key="service_key"
        targetName="service-tg-62" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-63">
        <vnsCfgRelInst name="Func_service-tg-63_key" key="service_key"
        targetName="service-tg-63" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-64">
        <vnsCfgRelInst name="Func_service-tg-64_key" key="service_key"
        targetName="service-tg-64" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-65">
        <vnsCfgRelInst name="Func_service-tg-65_key" key="service_key"
        targetName="service-tg-65" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-66">
        <vnsCfgRelInst name="Func_service-tg-66_key" key="service_key"
        targetName="service-tg-66" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-67">
        <vnsCfgRelInst name="Func_service-tg-67_key" key="service_key"
        targetName="service-tg-67" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-68">
        <vnsCfgRelInst name="Func_service-tg-68_key" key="service_key"
        targetName="service-tg-68" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-69">
        <vnsCfgRelInst name="Func_service-tg-69_key" key="service_key"
        targetName="service-tg-69" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-70">
        <vnsCfgRelInst name="Func_service-tg-70_key" key="service_key"
        targetName="service-tg-70" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-71">
        <vnsCfgRelInst name="Func_service-tg-71_key" key="service_key"
        targetName="service-tg-71" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-72">
        <vnsCfgRelInst name="Func_service-tg-72_key" key="service_key"
        targetName="service-tg-72" />
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
        nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-73">
        <vnsCfgRelInst name="Func_service-tg-73_key" key="service_key"
        targetName="service-tg-73" />
    </vnsFolderInst>

```

```

<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-74">
  <vnsCfgRelInst name="Func_service-tg-74_key" key="service_key"
    targetName="service-tg-74" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-75">
  <vnsCfgRelInst name="Func_service-tg-75_key" key="service_key"
    targetName="service-tg-75" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-76">
  <vnsCfgRelInst name="Func_service-tg-76_key" key="service_key"
    targetName="service-tg-76" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-77">
  <vnsCfgRelInst name="Func_service-tg-77_key" key="service_key"
    targetName="service-tg-77" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-78">
  <vnsCfgRelInst name="Func_service-tg-78_key" key="service_key"
    targetName="service-tg-78" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-79">
  <vnsCfgRelInst name="Func_service-tg-79_key" key="service_key"
    targetName="service-tg-79" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="mFCngservice" name="Func_service-tg-80">
  <vnsCfgRelInst name="Func_service-tg-80_key" key="service_key"
    targetName="service-tg-80" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="external_network"
  name="external_network">
  <vnsCfgRelInst name="external_network_key"
    key="external_network_key" targetName="network/snip1" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph"
  nodeNameOrLbl="LB1" key="internal_network"
  name="internal_network">
  <vnsCfgRelInst name="internal_network_key"
    key="internal_network_key" targetName="network/snip2" />
</vnsFolderInst>
</fvAEPg>
</fvAp>
</fvTenant>
</polUni>

```

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#### ConfigServiceGraphWithParams\_lb\_http.xml

Configures L4-L7 parameters for the load balancing service graph.

```

<!-- ConfigServiceGraphWithParams_lb_http.xml -->
<!-- Configure L4-L7 parameters for LB Service Graph -->
<polUni>
  <fvTenant name="silverTenant1">

```

```

<vnsAbsGraph name="WebGraph">
  <vnsAbsTermNodeProv name="Input1">
    <vnsAbsTermConn name="C1">
      </vnsAbsTermConn>
    </vnsAbsTermNodeProv>

  <!-- LB1 Provides LoadBalancing functionality -->
  <vnsAbsNode name="LB1" funcType="GoTo">
    <vnsRsDefaultScopeToTerm tDn="uni/tn-silverTenant1/AbsGraph-
      WebGraph/AbsTermNodeProv-Input1/outtmnl"/>
    <vnsAbsFuncConn name="outside" attNotify="true">
      <vnsRsMConnAtt tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
        LoadBalancing/mConn-external" />
    </vnsAbsFuncConn>
    <vnsAbsFuncConn name="inside" attNotify="true">
      <vnsRsMConnAtt tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
        LoadBalancing/mConn-internal" />
    </vnsAbsFuncConn>
    <vnsRsNodeToMFunc tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
      LoadBalancing" />
  </vnsAbsNode>
  <vnsAbsTermNodeCon name="Output1">
    <vnsAbsTermConn name="C6">
      </vnsAbsTermConn>
    </vnsAbsTermNodeCon>
  <vnsAbsConnection name="CON1" adjType="L3">
    <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
      WebGraph/AbsTermNodeCon-Output1/AbsTConn"/>
    <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
      WebGraph/AbsNode-LB1/AbsFConn-outside"/>
  </vnsAbsConnection>
  <vnsAbsConnection name="CON2">
    <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
      WebGraph/AbsNode-LB1/AbsFConn-inside"/>
    <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
      WebGraph/AbsTermNodeProv-Input1/AbsTConn"/>
  </vnsAbsConnection>
</vnsAbsGraph>
</fvTenant>
</polUni>

```

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### CreateContract\_lb\_http.xml

Configures a contract for load balancing traffic.

```

<!-- CreateContract_lb_http.xml -->
<!-- Create contract for LB -->
<polUni>
  <fvTenant dn="uni/tn-silverTenant1" name="silverTenant1">
    <vzFilter name="HttpIn">
      <vzEntry name="e1" prot="6" dFromPort="80" dToPort="80" etherT="ip"/>
    </vzFilter>
    <vzFilter name="HttpOut">
      <vzEntry name="e1" prot="6" dFromPort="80" etherT="ip"/>
    </vzFilter>
    <vzFilter name="acl_lb_generic">
      <vzEntry name="e1"/>
    </vzFilter>
    <vzBrCP name="webCtrct1" scope="global">
      <vzSubj name="http">

```

```

        <vzRsSubjFiltAtt tnVzFilterName="acl_lb_generic" />
    </vzSubj>
</vzBrCP>
</fvTenant>
</polUni>

```

Return to [XML Files for Configuring Basic Functions, page C-10](#).

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### AttachGraphToContract\_lb\_http.xml

Attaches the service graph to the contract.

```

<!-- AttachGraphToContract_lb_http.xml -->
<!-- Attaches LB service graph to contract -->
<polUni>
    <fvTenant name="silverTenant1">
        <vzBrCP name="webCtrct1">
            <vzSubj name="http">
                <vzRsSubjGraphAtt tnVnsAbsGraphName="WebGraph" />
            </vzSubj>
        </vzBrCP>
    </fvTenant>
</polUni>

```

Return to [XML Files for Configuring Basic Functions, page C-10](#).

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### CreateServiceGraph\_lb\_ssl.xml

Creates a service graph (WebGraph\_ssl) for SSL Offloading.

```

<!-- CreateServiceGraph_lb_ssl.xml -->
<!-- Create service graph for SSL -->
<polUni>
<fvTenant name="silverTenant1">
    <!-- Application Profile -->
    <fvAp dn="uni/tn-silverTenant1/ap-Web1-AppProfile" name="Web1-AppProfile">
        <!-- EPG 1 -->
        <fvAEPg dn="uni/tn-silverTenant1/ap-Web1-AppProfile/epg-Web1-EPG"
            name="Web1-EPG">
            <fvRsBd tnFvBDName="silverTenant1-BD1" />
            <fvRsProv tnVzBrCPName="webCtrct1"></fvRsProv>
            <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
                nodeNameOrLbl="SSL1" key="Network" name="network">
                <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
                    nodeNameOrLbl="SSL1" key="nsip" name="snip1">
                    <vnsParamInst key="ipaddress" name="ip1" value="101.16.1.11" />
                    <vnsParamInst key="netmask" name="netmask1" value="255.255.255.0" />
                    <vnsParamInst key="dynamicrouting" name="dynamicRouting"
                        value="ENABLED" />
                    <vnsParamInst key="hostroute" name="hostroute" value="DISABLED" />
                    <vnsParamInst key="type" name="type" value="SNIP" />
                </vnsFolderInst>
                <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
                    nodeNameOrLbl="SSL1" key="nsip" name="snip2">
                    <vnsParamInst key="ipaddress" name="ip2" value="10.16.1.11" />
                    <vnsParamInst key="netmask" name="netmask2" value="255.255.255.0" />
                    <vnsParamInst key="dynamicrouting" name="dynamicRouting"
                        value="DISABLED" />
                    <vnsParamInst key="hostroute" name="hostroute" value="DISABLED" />
                    <vnsParamInst key="mgmtaccess" name="mgmtaccess" value="ENABLED" />
                    <vnsParamInst key="type" name="type" value="SNIP" />
                </vnsFolderInst>
            </vnsFolderInst>
        </fvAEPg>
    </fvAp>
</fvTenant>
</polUni>

```



```

</vnsFolderInst>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="lbvserver" name="vip-tg-103_lb">
  <vnsParamInst name="name" key="name" value="vip-tg-103"/>
  <vnsParamInst name="ipv46" key="ipv46" value="101.16.1.103"/>
  <vnsParamInst name="servicetype" key="servicetype" value="SSL"/>
  <vnsParamInst name="port" key="port" value="443"/>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="lbvserver_service_binding"
    name="service-tg-21">
    <vnsCfgRelInst key="servicename" name="service-tg-21"
      targetName="service-tg-21"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="lbvserver_service_binding"
    name="service-tg-22">
    <vnsCfgRelInst key="servicename" name="service-tg-22"
      targetName="service-tg-22"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="lbvserver_service_binding"
    name="service-tg-23">
    <vnsCfgRelInst key="servicename" name="service-tg-23"
      targetName="service-tg-23"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="lbvserver_service_binding"
    name="service-tg-24">
    <vnsCfgRelInst key="servicename" name="service-tg-24"
      targetName="service-tg-24"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="lbvserver_service_binding"
    name="service-tg-25">
    <vnsCfgRelInst key="servicename" name="service-tg-25"
      targetName="service-tg-25"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="lbvserver_service_binding"
    name="service-tg-26">
    <vnsCfgRelInst key="servicename" name="service-tg-26"
      targetName="service-tg-26"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="lbvserver_service_binding"
    name="service-tg-27">
    <vnsCfgRelInst key="servicename" name="service-tg-27"
      targetName="service-tg-27"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="lbvserver_service_binding"
    name="service-tg-28">
    <vnsCfgRelInst key="servicename" name="service-tg-28"
      targetName="service-tg-28"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="lbvserver_service_binding"
    name="service-tg-29">
    <vnsCfgRelInst key="servicename" name="service-tg-29"
      targetName="service-tg-29"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"

```

```

        nodeNameOrLbl="SSL1" key="lbvserver_service_binding"
        name="service-tg-30">
        <vnsCfgRelInst key="servicename" name="service-tg-30"
        targetName="service-tg-30"/>
    </vnsFolderInst>
</vnsFolderInst>

<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="lbvserver" name="vip-tg-104_lb">
    <vnsParamInst name="name" key="name" value="vip-tg-104"/>
    <vnsParamInst name="ipv46" key="ipv46" value="101.16.1.104"/>
    <vnsParamInst name="servicetype" key="servicetype" value="SSL"/>
    <vnsParamInst name="port" key="port" value="443"/>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
        nodeNameOrLbl="SSL1" key="lbvserver_service_binding"
        name="service-tg-31">
        <vnsCfgRelInst key="servicename" name="service-tg-31"
        targetName="service-tg-31"/>
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
        nodeNameOrLbl="SSL1" key="lbvserver_service_binding"
        name="service-tg-32">
        <vnsCfgRelInst key="servicename" name="service-tg-32"
        targetName="service-tg-32"/>
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
        nodeNameOrLbl="SSL1" key="lbvserver_service_binding"
        name="service-tg-33">
        <vnsCfgRelInst key="servicename" name="service-tg-33"
        targetName="service-tg-33"/>
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
        nodeNameOrLbl="SSL1" key="lbvserver_service_binding"
        name="service-tg-34">
        <vnsCfgRelInst key="servicename" name="service-tg-34"
        targetName="service-tg-34"/>
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
        nodeNameOrLbl="SSL1" key="lbvserver_service_binding"
        name="service-tg-35">
        <vnsCfgRelInst key="servicename" name="service-tg-35"
        targetName="service-tg-35"/>
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
        nodeNameOrLbl="SSL1" key="lbvserver_service_binding"
        name="service-tg-36">
        <vnsCfgRelInst key="servicename" name="service-tg-36"
        targetName="service-tg-36"/>
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
        nodeNameOrLbl="SSL1" key="lbvserver_service_binding"
        name="service-tg-37">
        <vnsCfgRelInst key="servicename" name="service-tg-37"
        targetName="service-tg-37"/>
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
        nodeNameOrLbl="SSL1" key="lbvserver_service_binding"
        name="service-tg-38">
        <vnsCfgRelInst key="servicename" name="service-tg-38"
        targetName="service-tg-38"/>
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
        nodeNameOrLbl="SSL1" key="lbvserver_service_binding"
        name="service-tg-39">

```

```

    <vnsCfgRelInst key="servicename" name="service-tg-39"
    targetName="service-tg-39"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="lbvserver_service_binding"
    name="service-tg-40">
    <vnsCfgRelInst key="servicename" name="service-tg-40"
    targetName="service-tg-40"/>
  </vnsFolderInst>
</vnsFolderInst>

<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="sslcertkey" name="sp2013.test.ctx-cert">
  <vnsParamInst name="certkey" key="certkey"
  value="sp2013.test.ctx-cert"/>
  <vnsParamInst name="cert" key="cert" value="sp2013-server.cert"/>
  <vnsParamInst name="key" key="key" value="sp2013-server.key"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="sslvserver" name="vip-tg-103_ssl">
  <vnsParamInst name="vservername" key="vservername" value="vip-tg-103"/>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" name="sslvserver_binding"
    key="sslvserver_sslcertkey_binding">
    <vnsCfgRelInst name="certkeyname" key="certkeyname"
    targetName="sp2013.test.ctx-cert"/>
  </vnsFolderInst>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="sslvserver" name="vip-tg-104_ssl">
  <vnsParamInst name="vservername" key="vservername" value="vip-tg-104"/>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" name="sslvserver_binding"
    key="sslvserver_sslcertkey_binding">
    <vnsCfgRelInst name="certkeyname" key="certkeyname"
    targetName="sp2013.test.ctx-cert"/>
  </vnsFolderInst>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="service" name="service-tg-21">
  <vnsParamInst name="name" key="name" value="service-tg-21"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.21"/>
  <vnsParamInst name="servicetype" key="servicetype" value="SSL"/>
  <vnsParamInst name="port" key="port" value="443"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="service" name="service-tg-22">
  <vnsParamInst name="name" key="name" value="service-tg-22"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.22"/>
  <vnsParamInst name="servicetype" key="servicetype" value="SSL"/>
  <vnsParamInst name="port" key="port" value="443"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="service" name="service-tg-23">
  <vnsParamInst name="name" key="name" value="service-tg-23"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.23"/>
  <vnsParamInst name="servicetype" key="servicetype" value="SSL"/>
  <vnsParamInst name="port" key="port" value="443"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="service" name="service-tg-24">
  <vnsParamInst name="name" key="name" value="service-tg-24"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.24"/>
  <vnsParamInst name="servicetype" key="servicetype" value="SSL"/>

```

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    <vnsParamInst name="port" key="port" value="443"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="service" name="service-tg-25">
    <vnsParamInst name="name" key="name" value="service-tg-25"/>
    <vnsParamInst name="ip" key="ip" value="10.16.2.25"/>
    <vnsParamInst name="servicetype" key="servicetype" value="SSL"/>
    <vnsParamInst name="port" key="port" value="443"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="service" name="service-tg-26">
    <vnsParamInst name="name" key="name" value="service-tg-26"/>
    <vnsParamInst name="ip" key="ip" value="10.16.2.26"/>
    <vnsParamInst name="servicetype" key="servicetype" value="SSL"/>
    <vnsParamInst name="port" key="port" value="443"/>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="service" name="service-tg-27">
    <vnsParamInst name="name" key="name" value="service-tg-27"/>
    <vnsParamInst name="ip" key="ip" value="10.16.2.27"/>
    <vnsParamInst name="servicetype" key="servicetype" value="SSL"/>
    <vnsParamInst name="port" key="port" value="443"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="service" name="service-tg-28">
    <vnsParamInst name="name" key="name" value="service-tg-28"/>
    <vnsParamInst name="ip" key="ip" value="10.16.2.28"/>
    <vnsParamInst name="servicetype" key="servicetype" value="SSL"/>
    <vnsParamInst name="port" key="port" value="443"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="service" name="service-tg-29">
    <vnsParamInst name="name" key="name" value="service-tg-29"/>
    <vnsParamInst name="ip" key="ip" value="10.16.2.29"/>
    <vnsParamInst name="servicetype" key="servicetype" value="SSL"/>
    <vnsParamInst name="port" key="port" value="443"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="service" name="service-tg-30">
    <vnsParamInst name="name" key="name" value="service-tg-30"/>
    <vnsParamInst name="ip" key="ip" value="10.16.2.30"/>
    <vnsParamInst name="servicetype" key="servicetype" value="SSL"/>
    <vnsParamInst name="port" key="port" value="443"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="service" name="service-tg-31">
    <vnsParamInst name="name" key="name" value="service-tg-31"/>
    <vnsParamInst name="ip" key="ip" value="10.16.2.31"/>
    <vnsParamInst name="servicetype" key="servicetype" value="SSL"/>
    <vnsParamInst name="port" key="port" value="443"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="service" name="service-tg-32">
    <vnsParamInst name="name" key="name" value="service-tg-32"/>
    <vnsParamInst name="ip" key="ip" value="10.16.2.32"/>
    <vnsParamInst name="servicetype" key="servicetype" value="SSL"/>
    <vnsParamInst name="port" key="port" value="443"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="service" name="service-tg-33">
    <vnsParamInst name="name" key="name" value="service-tg-33"/>
    <vnsParamInst name="ip" key="ip" value="10.16.2.33"/>
    <vnsParamInst name="servicetype" key="servicetype" value="SSL"/>
    <vnsParamInst name="port" key="port" value="443"/>
  </vnsFolderInst>

```

```

<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="service" name="service-tg-34">
  <vnsParamInst name="name" key="name" value="service-tg-34"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.34"/>
  <vnsParamInst name="servicetype" key="servicetype" value="SSL"/>
  <vnsParamInst name="port" key="port" value="443"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="service" name="service-tg-35">
  <vnsParamInst name="name" key="name" value="service-tg-35"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.35"/>
  <vnsParamInst name="servicetype" key="servicetype" value="SSL"/>
  <vnsParamInst name="port" key="port" value="443"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="service" name="service-tg-36">
  <vnsParamInst name="name" key="name" value="service-tg-36"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.36"/>
  <vnsParamInst name="servicetype" key="servicetype" value="SSL"/>
  <vnsParamInst name="port" key="port" value="443"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="service" name="service-tg-37">
  <vnsParamInst name="name" key="name" value="service-tg-37"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.37"/>
  <vnsParamInst name="servicetype" key="servicetype" value="SSL"/>
  <vnsParamInst name="port" key="port" value="443"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="service" name="service-tg-38">
  <vnsParamInst name="name" key="name" value="service-tg-38"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.38"/>
  <vnsParamInst name="servicetype" key="servicetype" value="SSL"/>
  <vnsParamInst name="port" key="port" value="443"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="service" name="service-tg-39">
  <vnsParamInst name="name" key="name" value="service-tg-39"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.39"/>
  <vnsParamInst name="servicetype" key="servicetype" value="SSL"/>
  <vnsParamInst name="port" key="port" value="443"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="service" name="service-tg-40">
  <vnsParamInst name="name" key="name" value="service-tg-40"/>
  <vnsParamInst name="ip" key="ip" value="10.16.2.40"/>
  <vnsParamInst name="servicetype" key="servicetype" value="SSL"/>
  <vnsParamInst name="port" key="port" value="443"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="mFCnglbvserver" name="Func_vip-tg-103_lb">
  <vnsCfgRelInst name="lbvserver_key" key="lbvserver_key"
    targetName="vip-tg-103_lb"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="mFCnglbvserver" name="Func_vip-tg-104_lb">
  <vnsCfgRelInst name="lbvserver_key" key="lbvserver_key"
    targetName="vip-tg-104_lb"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="mFCngsslvserver"
  name="Func_vip-tg-103_ssl">
  <vnsCfgRelInst name="sslvserver_key" key="sslvserver_key"
    targetName="vip-tg-103_ssl"/>

```

```

</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="mFCngsslserver"
  name="Func_vip-tg-104_ssl">
  <vnsCfgRelInst name="sslserver_key" key="sslserver_key"
    targetName="vip-tg-104_ssl"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="mFCngsslcertkey" name="Func_sslcertkey">
  <vnsCfgRelInst name="sslcertkey_key" key="sslcertkey_key"
    targetName="sp2013.test.ctx-cert"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="mFCngservice" name="Func_service-tg-21">
  <vnsCfgRelInst name="Func_service-tg-21_key" key="service_key"
    targetName="service-tg-21"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="mFCngservice" name="Func_service-tg-22">
  <vnsCfgRelInst name="Func_service-tg-22_key" key="service_key"
    targetName="service-tg-22"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="mFCngservice" name="Func_service-tg-23">
  <vnsCfgRelInst name="Func_service-tg-23_key" key="service_key"
    targetName="service-tg-23"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="mFCngservice" name="Func_service-tg-24">
  <vnsCfgRelInst name="Func_service-tg-24_key" key="service_key"
    targetName="service-tg-24"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="mFCngservice" name="Func_service-tg-25">
  <vnsCfgRelInst name="Func_service-tg-25_key" key="service_key"
    targetName="service-tg-25"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="mFCngservice" name="Func_service-tg-26">
  <vnsCfgRelInst name="Func_service-tg-26_key" key="service_key"
    targetName="service-tg-26"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="mFCngservice" name="Func_service-tg-27">
  <vnsCfgRelInst name="Func_service-tg-27_key" key="service_key"
    targetName="service-tg-27"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="mFCngservice" name="Func_service-tg-28">
  <vnsCfgRelInst name="Func_service-tg-28_key" key="service_key"
    targetName="service-tg-28"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="mFCngservice" name="Func_service-tg-29">
  <vnsCfgRelInst name="Func_service-tg-29_key" key="service_key"
    targetName="service-tg-29"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="mFCngservice" name="Func_service-tg-30">
  <vnsCfgRelInst name="Func_service-tg-30_key" key="service_key"
    targetName="service-tg-30"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
  nodeNameOrLbl="SSL1" key="mFCngservice" name="Func_service-tg-31">

```

```

    <vnsCfgRelInst name="Func_service-tg-31_key" key="service_key"
      targetName="service-tg-31" />
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="mFCngservice" name="Func_service-tg-32">
    <vnsCfgRelInst name="Func_service-tg-32_key" key="service_key"
      targetName="service-tg-32" />
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="mFCngservice" name="Func_service-tg-33">
    <vnsCfgRelInst name="Func_service-tg-33_key" key="service_key"
      targetName="service-tg-33" />
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="mFCngservice" name="Func_service-tg-34">
    <vnsCfgRelInst name="Func_service-tg-34_key" key="service_key"
      targetName="service-tg-34" />
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="mFCngservice" name="Func_service-tg-35">
    <vnsCfgRelInst name="Func_service-tg-35_key" key="service_key"
      targetName="service-tg-35" />
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="mFCngservice" name="Func_service-tg-36">
    <vnsCfgRelInst name="Func_service-tg-36_key" key="service_key"
      targetName="service-tg-36" />
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="mFCngservice" name="Func_service-tg-37">
    <vnsCfgRelInst name="Func_service-tg-37_key" key="service_key"
      targetName="service-tg-37" />
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="mFCngservice" name="Func_service-tg-38">
    <vnsCfgRelInst name="Func_service-tg-38_key" key="service_key"
      targetName="service-tg-38" />
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="mFCngservice" name="Func_service-tg-39">
    <vnsCfgRelInst name="Func_service-tg-39_key" key="service_key"
      targetName="service-tg-39" />
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="mFCngservice" name="Func_service-tg-40">
    <vnsCfgRelInst name="Func_service-tg-40_key" key="service_key"
      targetName="service-tg-40" />
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="external_network" name="external_network">
    <vnsCfgRelInst name="external_network_key" key="external_network_key"
      targetName="network/snip1" />
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_ssl"
    nodeNameOrLbl="SSL1" key="internal_network" name="internal_network">
    <vnsCfgRelInst name="internal_network_key" key="internal_network_key"
      targetName="network/snip2" />
  </vnsFolderInst>
</fvAEPg>
</fvAp>
</fvTenant>
</polUni>

```

Return to [XML Files for Configuring Basic Functions, page C-10](#).

Goto [Configurations, page C-1](#).

### ConfigServiceGraphWithParams\_lb\_ssl.xml

Configures L4-L7 parameters for the SSL Offloading service graph.

```
<!-- ConfigServiceGraphWithParams_lb_ssl.xml -->
<!-- Configure L4-L7 parameters for SSL Service Graph -->
<polUni>
  <fvTenant name="silverTenant1">
    <vnsAbsGraph name="WebGraph_ssl">
      <vnsAbsTermNodeProv name="Input1">
        <vnsAbsTermConn name="C1">
          </vnsAbsTermConn>
        </vnsAbsTermNodeProv>

      <!-- SSL1 Provides SSL Offloading functionality -->
      <vnsAbsNode name="SSL1"
        funcType="GoTo">
        <vnsRsDefaultScopeToTerm tDn="uni/tn-silverTenant1/AbsGraph-
          WebGraph_ssl/AbsTermNodeProv-Input1/outtmnl"/>
        <vnsAbsFuncConn name="outside" attNotify="true">
          <vnsRsMConnAtt tDn="uni/infra/mDev-Citrix-NetScaler-
            1.0/mFunc-SSLOffload/mConn-external" />
          </vnsAbsFuncConn>
        <vnsAbsFuncConn name="inside" attNotify="true">
          <vnsRsMConnAtt tDn="uni/infra/mDev-Citrix-NetScaler-
            1.0/mFunc-SSLOffload/mConn-internal" />
          </vnsAbsFuncConn>
        <vnsRsNodeToMFunc tDn="uni/infra/mDev-Citrix-NetScaler-1.0/
          mFunc-SSLOffload" />
        </vnsAbsNode>
        <vnsAbsTermNodeCon name="Output1">
          <vnsAbsTermConn name="C6">
            </vnsAbsTermConn>
          </vnsAbsTermNodeCon>
          <vnsAbsConnection name="CON1" adjType="L3">
            <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
              WebGraph_ssl/AbsTermNodeCon-Output1/AbsTConn"/>
            <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
              WebGraph_ssl/AbsNode-SSL1/AbsFConn-outside"/>
            </vnsAbsConnection>
          <vnsAbsConnection name="CON2">
            <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
              WebGraph_ssl/AbsNode-SSL1/AbsFConn-inside"/>
            <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
              WebGraph_ssl/AbsTermNodeProv-Input1/AbsTConn"/>
            </vnsAbsConnection>
          </vnsAbsGraph>
        </fvTenant>
      </polUni>
```

Return to [XML Files for Configuring Basic Functions, page C-10](#).

Goto [Configurations, page C-1](#).

### CreateContract\_lb\_ssl.xml

Configures a contract for SSL Offloading of generic traffic on the fabric.

```
<!-- CreateContract_lb_ssl.xml -->
<!-- Create contract for SSL -->
<polUni>
```



```

<fvTenant dn="uni/tn-silverTenant1" name="silverTenant1">
  <vzFilter name="HttpsIn">
    <vzEntry name="e1" prot="6" dFromPort="443" dToPort="443"
      etherT="ip"/>
  </vzFilter>
  <vzFilter name="HttpsOut">
    <vzEntry name="e1" prot="6" dFromPort="443" etherT="ip"/>
  </vzFilter>
  <vzFilter name="acl_lb_generic">
    <vzEntry name="e1"/>
  </vzFilter>
  <vzBrCP name="webCtrct1" scope="global">
    <vzSubj name="https">
      <vzRsSubjFiltAtt tnVzFilterName="acl_lb_generic"/>
    </vzSubj>
  </vzBrCP>
</fvTenant>
</polUni>

```

Return to [XML Files for Configuring Basic Functions, page C-10](#).

Goto [Configurations, page C-1](#).

#### AttachGraphToContract\_lb\_ssl.xml

Attaches the SSL Offloading service graph to a contract.

```

<!-- AttachGraphToContract_lb_ssl.xml -->
<!-- Attaches SSL service graph to contract -->
<polUni>
  <fvTenant name="silverTenant1">
    <vzBrCP name="webCtrct1">
      <vzSubj name="http">
        <vzRsSubjGraphAtt tnVnsAbsGraphName="WebGraph_ssl"/>
      </vzSubj>
    </vzBrCP>
  </fvTenant>
</polUni>

```

Return to [XML Files for Configuring Basic Functions, page C-10](#).

Goto [Configurations, page C-1](#).

## XML Files that Configure NetScaler Services for SharePoint

These XML files set up NetScaler services to manage SharePoint traffic on the ACI fabric:

- [XML for Content Switching](#)
  - [CreateServiceGraph\\_SP\\_cs\\_ssl\\_1.xml, page C-43](#)  
Create a service graph (WebGraph\_cs\_ssl) for CS with SSL Offloading of SharePoint traffic.
  - [ConfigServiceGraphWithParams\\_SP\\_cs\\_ssl\\_1.xml, page C-46](#)  
Configure service graph with L4-L7 parameters for CS and SSL Offloading for SharePoint traffic.
  - [CreateServiceGraph\\_SP\\_cs\\_ssl\\_2.xml, page C-47](#)  
Create a second service graph (WebGraph\_cs\_ssl\_2) for CS with SSL Offloading of SharePoint traffic. Configuring a service graph for Content Switching is a two-step process.
  - [ConfigServiceGraphWithParams\\_SP\\_cs\\_ssl\\_2.xml, page C-48](#)

Configure graph (WebGraph\_cs\_ssl\_2) with L4-L7 parameters for CS and SSL Offloading for SharePoint traffic.

- [XML for Database Content Switching](#)
  - [CreateServiceGraphWithParams\\_SP\\_cs\\_DB\\_1.xml, page C-49](#)  
Create a service graph and configure L4-L7 parameters for Content Switching of Database
  - [CreateServiceGraphWithParams\\_SP\\_cs\\_DB\\_2.xml, page C-51](#)  
Create a second service graph and configure L4-L7 parameters for Content Switching of Database. Configuring a service graph for Content Switching of Database is a two-step process.
- [XML for Application Firewall](#)
  - [CreateServiceGraphWithParams\\_AppFW.xml, page C-56](#)  
Create a service graph and configure L4-L7 parameters for AppFW.
  - [ConfigServiceGraph\\_SP\\_cs\\_ssl\\_1\\_withAppFW-policy.xml, page C-58](#)  
Configures additional L4-L7 parameters for the AppFW service graph that define the binding of AppFW policy.
  - [ConfigAppFW\\_block\\_SQL\\_injection.xml, page C-62](#)  
Configures AppFW to block SQL injection attacks.
  - [ConfigAppFW\\_block\\_XSS.xml, page C-63](#)  
Configures AppFW to block cross-site scripting (XSS) attacks.
- [XML for Global Server Load Balancing \(GSLB\)](#)
  - [CreateServiceGraphWithParams\\_SP\\_GSLB\\_1.xml, page C-66](#)  
Create service graph with L4-L7 parameters for a GSLB ADNS configuration.
  - [CreateServiceGraphWithParams\\_SP\\_GSLB\\_2.xml, page C-67](#)  
Create a second service graph and configure additional L4-L7 parameters for GSLB.
  - [ConfigParameters\\_SP\\_GSLB\\_DynamicProx.xml, page C-70](#)  
Configure L4-L7 parameters for GSLB using distribution by dynamic proximity.
  - [ConfigParameters\\_SP\\_GSLB\\_StaticProx.xml, page C-73](#)  
Configure L4-L7 parameters for GSLB using distribution by static proximity.
  - [ConfigParameters\\_SP\\_GSLB\\_LeastConn.xml, page C-76](#)  
Configure L4-L7 parameters for GSLB using distribution by least connection.

## XML for Content Switching

The following Content Switching XML files are available for reference.

- [CreateServiceGraph\\_SP\\_cs\\_ssl\\_1.xml, page C-43](#)  
Create a service graph (WebGraph\_cs\_ssl) for CS with SSL Offloading of SharePoint traffic.
- [ConfigServiceGraphWithParams\\_SP\\_cs\\_ssl\\_1.xml, page C-46](#)  
Configure service graph with L4-L7 parameters for CS and SSL Offloading for SharePoint traffic.
- [CreateServiceGraph\\_SP\\_cs\\_ssl\\_2.xml, page C-47](#)

Create a second service graph (WebGraph\_cs\_ssl\_2) for CS with SSL Offloading of SharePoint traffic. Configuring a service graph for Content Switching is a two-step process.

- [ConfigServiceGraphWithParams\\_SP\\_cs\\_ssl\\_2.xml](#) , page C-48

Configure graph (WebGraph\_cs\_ssl\_2) with L4-L7 parameters for CS and SSL Offloading for SharePoint traffic.

### CreateServiceGraph\_SP\_cs\_ssl\_1.xml

Create a service graph (WebGraph\_cs\_ssl) for CS with SSL Offloading of SharePoint traffic.

```
<!-- CreateServiceGraph_SP_cs_ssl_1.xml -->
<!-- Create a service graph for CS with SSL Offloading for SharePoint -->
<polUni>
  <fvTenant name="silverTenant1">
    <fvAp dn="uni/tn-silverTenant1/ap-Web1-AppProfile" name="Web1-AppProfile">
      <!-- EPG 1 -->
      <fvAEPg dn="uni/tn-silverTenant1/ap-Web1-AppProfile/epg-Web1-EPG"
        name="Web1-EPG">
        <fvRsBd tnFvBDName="silverTenant1-BD1" />
        <fvRsProv tnVzBrCPName="webCtrct1"></fvRsProv>

        <vnsFolderInst ctrctNameOrLbl="webCtrct1"
          graphNameOrLbl="WebGraph_cs_ssl" nodeNameOrLbl="CS_SSL_1"
          key="Network" name="network">
          <vnsFolderInst ctrctNameOrLbl="webCtrct1"
            graphNameOrLbl="WebGraph_cs_ssl" nodeNameOrLbl="CS_SSL_1"
            key="nsip" name="snip1">
            <vnsParamInst key="ipaddress" name="ip1" value="101.16.1.11"/>
            <vnsParamInst key="netmask" name="netmask1"
              value="255.255.255.0"/>
            <vnsParamInst key="dynamicrouting" name="dynamicRouting"
              value="ENABLED"/>
            <vnsParamInst key="hostroute" name="hostroute"
              value="DISABLED"/>
            <vnsParamInst key="type" name="type" value="SNIP"/>
            </vnsFolderInst>
          </vnsFolderInst>
          <vnsFolderInst ctrctNameOrLbl="webCtrct1"
            graphNameOrLbl="WebGraph_cs_ssl" nodeNameOrLbl="CS_SSL_1"
            key="nsip" name="snip2">
            <vnsParamInst key="ipaddress" name="ip2" value="10.16.1.11"/>
            <vnsParamInst key="netmask" name="netmask2"
              value="255.255.255.0"/>
            <vnsParamInst key="dynamicrouting" name="dynamicRouting"
              value="DISABLED"/>
            <vnsParamInst key="hostroute" name="hostroute"
              value="DISABLED"/>
            <vnsParamInst key="mgmtaccess" name="mgmtaccess"
              value="ENABLED"/>
            <vnsParamInst key="type" name="type" value="SNIP"/>
            </vnsFolderInst>
          </vnsFolderInst>
          <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
            nodeNameOrLbl="CS_SSL_1" key="csvserver" name="vip-CS_SP2013" >
            <vnsParamInst name="name" key="name" value="vip-CS_SP2013"/>
            <vnsParamInst name="ipV46" key="ipV46" value="101.16.1.121"/>
            <vnsParamInst name="servicetype" key="servicetype" value="SSL"/>
            <vnsParamInst name="port" key="port" value="443"/>
            <vnsFolderInst ctrctNameOrLbl="webCtrct1"
              graphNameOrLbl="WebGraph_cs_ssl" nodeNameOrLbl="CS_SSL_1"
              key="csvserver_cspolicy_binding" name="cspolbind1">
```

```

    <vnsCfgRelInst key="policyname" name="poll1"
      targetName="csPolicy/cspoll1" />
    <vnsParamInst name="targetlbserver" key="targetlbserver"
      value="vip-LB-sp2013-1" />
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1"
    graphNameOrLbl="WebGraph_cs_ssl" nodeNameOrLbl="CS_SSL_1"
    key="csvserver_cspolicy_binding" name="cspolbind2">
    <vnsCfgRelInst key="policyname" name="poll2"
      targetName="csPolicy/cspol2" />
    <vnsParamInst name="targetlbserver" key="targetlbserver"
      value="vip-LB-sp2013-2" />
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1"
    graphNameOrLbl="WebGraph_cs_ssl" nodeNameOrLbl="CS_SSL_1"
    key="csvserver_lbserver_binding" name="lbind">
    <vnsCfgRelInst key="lbserver" name="lbserver"
      targetName="vip-LB-sp2013-1" />
  </vnsFolderInst>
</vnsFolderInst>

<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
  nodeNameOrLbl="CS_SSL_1" key="lbserver" name="vip-LB-sp2013-1" >
  <vnsParamInst name="name" key="name" value="vip-LB-sp2013-1" />
  <vnsParamInst name="ipv46" key="ipv46" value="10.16.1.111" />
  <vnsParamInst name="servicetype" key="servicetype" value="HTTP" />
  <vnsParamInst name="port" key="port" value="80" />
  <vnsFolderInst ctrctNameOrLbl="webCtrct1"
    graphNameOrLbl="WebGraph_cs_ssl" nodeNameOrLbl="CS_SSL_1"
    key="lbserver_service_binding" name="lbService1">
    <vnsCfgRelInst key="servicename" name="webservice1"
      targetName="service1" />
  </vnsFolderInst>
</vnsFolderInst>

<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
  nodeNameOrLbl="CS_SSL_1" key="lbserver" name="vip-LB-sp2013-2" >
  <vnsParamInst name="name" key="name" value="vip-LB-sp2013-2" />
  <vnsParamInst name="servicetype" key="servicetype" value="HTTP" />
  <vnsParamInst name="ipv46" key="ipv46" value="10.16.1.112" />
  <vnsParamInst name="port" key="port" value="80" />
  <vnsFolderInst ctrctNameOrLbl="webCtrct1"
    graphNameOrLbl="WebGraph_cs_ssl" nodeNameOrLbl="CS_SSL_1"
    key="lbserver_service_binding" name="lbService1">
    <vnsCfgRelInst key="servicename" name="webservice1"
      targetName="service2" />
  </vnsFolderInst>
</vnsFolderInst>

<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
  nodeNameOrLbl="CS_SSL_1" key="service" name="service1" >
  <vnsParamInst name="name" key="name" value="service-sp2013-1" />
  <vnsParamInst name="ip" key="ip" value="10.1.2.101" />
  <vnsParamInst name="servicetype" key="servicetype" value="SSL" />
  <vnsParamInst name="port" key="port" value="443" />
</vnsFolderInst>

<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
  nodeNameOrLbl="CS_SSL_1" key="service" name="service2">
  <vnsParamInst name="name" key="name" value="service-sp2013-2" />
  <vnsParamInst name="ip" key="ip" value="10.1.2.102" />
  <vnsParamInst name="servicetype" key="servicetype" value="SSL" />
  <vnsParamInst name="port" key="port" value="443" />
</vnsFolderInst>

```

```

<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
  nodeNameOrLbl="CS_SSL_1" key="Policy" name="csPolicy">
  <vnsFolderInst ctrctNameOrLbl="webCtrct1"
    graphNameOrLbl="WebGraph_cs_ssl" nodeNameOrLbl="CS_SSL_1"
    key="cspolicy" name="cspol1">
    <vnsParamInst name="policyname" key="policyname" value="policy-cs-eng"/>
    <vnsParamInst name="url" key="url" value="/sites/Eng/*"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1"
    graphNameOrLbl="WebGraph_cs_ssl" nodeNameOrLbl="CS_SSL_1"
    key="cspolicy" name="cspol2">
    <vnsParamInst name="policyname" key="policyname" value="policy-cs-mkt"/>
    <vnsParamInst name="url" key="url" value="/sites/Mkt/*"/>
  </vnsFolderInst>
</vnsFolderInst>

<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
  nodeNameOrLbl="CS_SSL_1" key="mFCngcsvserver" name="wcsvserver1">
  <vnsCfgRelInst name="csvserver_key" key="csvservercsvserver1_key"
    targetName="vip-CS_SP2013"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
  nodeNameOrLbl="CS_SSL_1" key="mFCnglbvserver" name="wlbvserver1">
  <vnsCfgRelInst name="lbsverver_key" key="lbvserver_key" targetName="vip-
    LB-sp2013-1"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
  nodeNameOrLbl="CS_SSL_1" key="mFCnglbvserver" name="wlbvserver2">
  <vnsCfgRelInst name="lbsverver_key" key="lbvserver_key" targetName="vip-
    LB-sp2013-2"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
  nodeNameOrLbl="CS_SSL_1" key="mFCngservice" name="wservice1">
  <vnsCfgRelInst name="service_key1" key="service_key"
    targetName="service1"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
  nodeNameOrLbl="CS_SSL_1" key="mFCngservice" name="wservice2">
  <vnsCfgRelInst name="service_key1" key="service_key"
    targetName="service2"/>
</vnsFolderInst>

<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
  nodeNameOrLbl="CS_SSL_1" key="mFCngPolicy" name="Pol1">
  <vnsCfgRelInst name="Policy_key" key="Policy_key"
    targetName="csPolicy/cspol1"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
  nodeNameOrLbl="CS_SSL_1" key="mFCngPolicy" name="Pol2">
  <vnsCfgRelInst name="Policy_key" key="Policy_key"
    targetName="csPolicy/cspol2"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
  nodeNameOrLbl="CS_SSL_1" key="external_network"
  name="external_network">
  <vnsCfgRelInst name="internal_network_key" key="external_network_key"
    targetName="network/snip1"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
  nodeNameOrLbl="CS_SSL_1" key="internal_network"
  name="internal_network">
  <vnsCfgRelInst name="external_network_key" key="internal_network_key"
    targetName="network/snip2"/>
</vnsFolderInst>

```

```

    </fvAEPg>
  </fvAp>
</fvTenant>
</polUni>

```

Return to [XML Files that Configure NetScaler Services for SharePoint, page C-41](#).

Goto [Configurations, page C-1](#).

### ConfigServiceGraphWithParams\_SP\_cs\_ssl\_1.xml

Configure service graph with L4-L7 parameters for CS and SSL Offloading for SharePoint traffic.

```

<!-- ConfigServiceGraphWithParams_SP_cs_ssl_1.xml -->
<!-- Configure L4-L7 parameters for CS and SSL Offloading for SharePoint -->
<polUni>
  <fvTenant name="silverTenant1">
    <vnsAbsGraph name="WebGraph_cs_ssl">
      <vnsAbsTermNodeProv name="Input1">
        <vnsAbsTermConn name="C1">
          </vnsAbsTermConn>
        </vnsAbsTermNodeProv>
      <!-- CS_SSL_1 Provides CS and SSL Offload functionality -->
      <vnsAbsNode name="CS_SSL_1" funcType="GoTo">
        <vnsRsDefaultScopeToTerm tDn="uni/tn-silverTenant1/AbsGraph-
          WebGraph_cs_ssl/AbsTermNodeProv-Input1/outtmnl"/>
        <vnsAbsFuncConn name="outside" attNotify="true">
          <vnsRsMConnAtt tDn="uni/infra/mDev-Citrix-NetScaler-
            1.0/mFunc-ContentSwitching/mConn-external" />
        </vnsAbsFuncConn>
        <vnsAbsFuncConn name="inside" attNotify="true">
          <vnsRsMConnAtt tDn="uni/infra/mDev-Citrix-NetScaler-
            1.0/mFunc-ContentSwitching/mConn-internal" />
        </vnsAbsFuncConn>
        <vnsRsNodeToMFunc tDn="uni/infra/mDev-Citrix-NetScaler-
          1.0/mFunc-ContentSwitching"/>
      </vnsAbsNode>
      <vnsAbsTermNodeCon name="Output1">
        <vnsAbsTermConn name="C6">
          </vnsAbsTermConn>
        </vnsAbsTermNodeCon>
      <vnsAbsConnection name="CON1" adjType="L3">
        <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
          WebGraph_cs_ssl/AbsTermNodeCon-Output1/AbsTConn"/>
        <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
          WebGraph_cs_ssl/AbsNode-CS_SSL_1/AbsFConn-outside"/>
      </vnsAbsConnection>
      <vnsAbsConnection name="CON2">
        <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
          WebGraph_cs_ssl/AbsNode-CS_SSL_1/AbsFConn-inside"/>
        <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
          WebGraph_cs_ssl/AbsTermNodeProv-Input1/AbsTConn"/>
      </vnsAbsConnection>
    </vnsAbsGraph>
  </fvTenant>
</polUni>

```

Return to [XML Files that Configure NetScaler Services for SharePoint, page C-41](#).

Goto [Configurations, page C-1](#).

**CreateServiceGraph\_SP\_cs\_ssl\_2.xml**

Create a second service graph (WebGraph\_cs\_ssl\_2) for CS with SSL Offloading of SharePoint traffic. Configuring a service graph for Content Switching is a two-step process.

```

<!-- CreateServiceGraph_SP_cs_ssl_2.xml -->
<!-- Create a service graph for CS with SSL Offloading of SharePoint -->
<polUni>
  <fvTenant name="silverTenant1">
    <fvAp dn="uni/tn-silverTenant1/ap-Web1-AppProfile" name="Web1-AppProfile">
      <!-- EPG 1 -->
      <fvAEPg dn="uni/tn-silverTenant1/ap-Web1-AppProfile/epg-Web1-EPG"
        name="Web1-EPG">
        <fvRsBd tnFvBDName="silverTenant1-BD1" />
        <fvRsProv tnVzBrCPName="webCtrct1"></fvRsProv>
        <vnsFolderInst ctrctNameOrLbl="webCtrct1"
          graphNameOrLbl="WebGraph_cs_ssl_2" nodeNameOrLbl="CS_SSL_2"
          key="Network" name="network">
          <vnsFolderInst ctrctNameOrLbl="webCtrct1"
            graphNameOrLbl="WebGraph_cs_ssl_2"
            nodeNameOrLbl="CS_SSL_2" key="nsip" name="snip1">
            <vnsParamInst key="ipaddress" name="ip1" value="101.16.1.11"/>
            <vnsParamInst key="netmask" name="netmask1" value="255.255.255.0"/>
            <vnsParamInst key="dynamicrouting" name="dynamicRouting"
              value="ENABLED"/>
            <vnsParamInst key="hostroute" name="hostroute" value="DISABLED"/>
            <vnsParamInst key="type" name="type" value="SNIP"/>
            </vnsFolderInst>
          <vnsFolderInst ctrctNameOrLbl="webCtrct1"
            graphNameOrLbl="WebGraph_cs_ssl_2"
            nodeNameOrLbl="CS_SSL_2" key="nsip" name="snip2">
            <vnsParamInst key="ipaddress" name="ip2" value="10.16.1.11"/>
            <vnsParamInst key="netmask" name="netmask2" value="255.255.255.0"/>
            <vnsParamInst key="dynamicrouting" name="dynamicRouting"
              value="DISABLED"/>
            <vnsParamInst key="hostroute" name="hostroute" value="DISABLED"/>
            <vnsParamInst key="mgmtaccess" name="mgmtaccess" value="ENABLED"/>
            <vnsParamInst key="type" name="type" value="SNIP"/>
            </vnsFolderInst>
          </vnsFolderInst>
          <vnsFolderInst ctrctNameOrLbl="webCtrct1"
            graphNameOrLbl="WebGraph_cs_ssl_2"
            nodeNameOrLbl="CS_SSL_2" key="sslcertkey" name="sp2013.test.ctx-cert" >
            <vnsParamInst name="certkey" key="certkey" value="sp2013.test.ctx-cert"/>
            <vnsParamInst name="cert" key="cert" value="sp2013-server.cert"/>
            <vnsParamInst name="key" key="key" value="sp2013-server.key"/>
            </vnsFolderInst>
          <vnsFolderInst ctrctNameOrLbl="webCtrct1"
            graphNameOrLbl="WebGraph_cs_ssl_2"
            nodeNameOrLbl="CS_SSL_2" key="sslvserver" name="vip-CS_SP2013_ssl">
            <vnsParamInst name="vservname" key="vservname" value="vip-CS_SP2013"/>
            <vnsFolderInst ctrctNameOrLbl="webCtrct1"
              graphNameOrLbl="WebGraph_cs_ssl_2" nodeNameOrLbl="CS_SSL_2"
              key="sslvserver_sslcertkey_binding" name="certkeyBind">
              <vnsCfgRelInst name="certkeyname" key="certkeyname"
                targetName="sp2013.test.ctx-cert"/>
              </vnsFolderInst>
            </vnsFolderInst>
          <vnsFolderInst ctrctNameOrLbl="webCtrct1"
            graphNameOrLbl="WebGraph_cs_ssl_2"
            nodeNameOrLbl="CS_SSL_2" key="mFCngsslserver" name="mFCngsslserver2">
            <vnsCfgRelInst name="sslvserver_key" key="sslvserver_key"
              targetName="vip-CS_SP2013_ssl"/>
            </vnsFolderInst>
        </vnsFolderInst>
      </fvAEPg>
    </fvAp>
  </fvTenant>
</polUni>

```

```

<vnsFolderInst ctrctNameOrLbl="webCtrct1"
  graphNameOrLbl="WebGraph_cs_ssl_2"
  nodeNameOrLbl="CS_SSL_2" key="mFCngsslcertkey" name="mFCngsslcertkey2">
  <vnsCfgRelInst name="sslcertkey_key" key="sslcertkey_key"
    targetName="sp2013.test.ctx-cert"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1"
  graphNameOrLbl="WebGraph_cs_ssl_2"
  nodeNameOrLbl="CS_SSL_2" key="external_network" name="external_network">
  <vnsCfgRelInst name="internal_network_key" key="external_network_key"
    targetName="network/snip1"/>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1"
  graphNameOrLbl="WebGraph_cs_ssl_2"
  nodeNameOrLbl="CS_SSL_2" key="internal_network" name="internal_network">
  <vnsCfgRelInst name="external_network_key" key="internal_network_key"
    targetName="network/snip2"/>
</vnsFolderInst>
</fvAEPg>
</fvAp>
</fvTenant>
</polUni>

```

Return to [XML Files that Configure NetScaler Services for SharePoint](#), page C-41.

Goto [Configurations](#), page C-1.

#### ConfigServiceGraphWithParams\_SP\_cs\_ssl\_2.xml

Configure graph (WebGraph\_cs\_ssl\_2) with L4-L7 parameters for CS and SSL Offloading for SharePoint traffic.

```

<!-- ConfigServiceGraphWithParams_SP_cs_ssl_2.xml -->
<!-- Configure additional L4-L7 parameters for CS and SSL Offloading for SharePoint -->

<polUni>
  <fvTenant name="silverTenant1">
    <vnsAbsGraph name="WebGraph_cs_ssl_2">
      <vnsAbsTermNodeProv name="Input1">
        <vnsAbsTermConn name="C1">
          </vnsAbsTermConn>
        </vnsAbsTermNodeProv>
      <!-- CS_SSL_2 Provides CS and SSL Offload functionality -->
      <vnsAbsNode name="CS_SSL_2" funcType="GoTo" >
        <vnsRsDefaultScopeToTerm tDn="uni/tn-silverTenant1/AbsGraph-
          WebGraph_cs_ssl_2/AbsTermNodeProv-Input1/outtmnl"/>
        <vnsAbsFuncConn name="outside" attNotify="true">

          <vnsRsMConnAtt tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
            SSLOffload/mConn-external" />
        </vnsAbsFuncConn>
        <vnsAbsFuncConn name="inside" attNotify="true">

          <vnsRsMConnAtt tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
            SSLOffload/mConn-internal" />
        </vnsAbsFuncConn>
        <vnsRsNodeToMFunc tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
          SSLOffload"/>
      </vnsAbsNode>
      <vnsAbsTermNodeCon name="Output1">
        <vnsAbsTermConn name="C6">
          </vnsAbsTermConn>
        </vnsAbsTermNodeCon>
      <vnsAbsConnection name="CON1" adjType="L3">

```



```

        <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
        WebGraph_cs_ssl_2/AbsTermNodeCon-Output1/AbsTConn" />
        <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
        WebGraph_cs_ssl_2/AbsNode-CS_SSL_2/AbsFConn-outside" />
    </vnsAbsConnection>
    <vnsAbsConnection name="CON2">
        <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
        WebGraph_cs_ssl_2/AbsNode-CS_SSL_2/AbsFConn-inside" />
        <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
        WebGraph_cs_ssl_2/AbsTermNodeProv-Input1/AbsTConn" />
    </vnsAbsConnection>
</vnsAbsGraph>
</fvTenant>
</polUni>

```

Return to [XML Files that Configure NetScaler Services for SharePoint, page C-41](#).

Goto [Configurations, page C-1](#).

## XML for Database Content Switching

The following Database Content Switching XML files are available for reference.

- [CreateServiceGraphWithParams\\_SP\\_cs\\_DB\\_1.xml, page C-49](#)  
Create a service graph and configure L4-L7 parameters for Content Switching of Database
- [CreateServiceGraphWithParams\\_SP\\_cs\\_DB\\_2.xml, page C-51](#)  
Create a second service graph and configure L4-L7 parameters for Content Switching of Database. Configuring a service graph for Content Switching of Database is a two-step process.

Return to [XML Files that Configure NetScaler Services for SharePoint, page C-41](#).

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### CreateServiceGraphWithParams\_SP\_cs\_DB\_1.xml

Create a service graph and configure L4-L7 parameters for Content Switching of Database

```

<!-- CreateServiceGraphWithParams_SP_cs_DB_1.xml -->
<!-- Create service graph and L4-L7 parameters for CS of Database -->
<polUni>
    <fvTenant name="silverTenant1"> <!-- DB configuration -->
        <vnsAbsGraph name = "WebGraph_CS_DB_2">
            <vnsAbsTermNodeProv name = "Input1">
                <vnsAbsTermConn name = "C1">
                    </vnsAbsTermConn>
            </vnsAbsTermNodeProv>
            <vnsAbsNode name = "CS_DB_2" funcType="GoTo" >
                <vnsAbsFuncConn name = "outside" attNotify="true">
                    <vnsRsMConnAtt tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
                    DataStream/mConn-external" />
                </vnsAbsFuncConn>
                <vnsAbsFuncConn name = "inside" attNotify="true">
                    <vnsRsMConnAtt tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
                    DataStream/mConn-internal" />
                </vnsAbsFuncConn>
                <vnsRsNodeToMFunc tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
                DataStream" />
                <vnsRsDefaultScopeToTerm tDn="uni/tn-silverTenant1/AbsGraph-
                WebGraph_CS_DB_2/AbsTermNodeProv-Input1/outtmml" />
            <!-- Device Configuration -->
            <vnsAbsDevCfg>

```

```

<vnsAbsFolder key="Network" name="network" scopedBy="epg">
  <vnsAbsFolder key="nsip" name="snip1">
    <vnsAbsParam key="ipaddress" name="ip1" value="101.16.1.11"/>
    <vnsAbsParam key="netmask" name="netmask1" value="255.255.255.0"/>
    <vnsAbsParam key="type" name="type" value="SNIP"/>
    <vnsAbsParam key="dynamicrouting" name="dynamicrouting"
      value="ENABLED"/>
    <vnsAbsParam key="hostroute" name="hostroute" value="DISABLED"/>
  </vnsAbsFolder>
  <vnsAbsFolder key="nsip" name="snip2">
    <vnsAbsParam key="ipaddress" name="ip2" value="10.16.1.11"/>
    <vnsAbsParam key="netmask" name="netmask2" value="255.255.255.0"/>
    <vnsAbsParam key="type" name="type" value="SNIP"/>
    <vnsAbsParam key="dynamicrouting" name="dynamicrouting"
      value="DISABLED"/>
    <vnsAbsParam key="hostroute" name="hostroute" value="DISABLED"/>
  </vnsAbsFolder>
</vnsAbsFolder>
<vnsAbsFolder key="dbuser" name="dbUser1" scopedBy="epg">
  <vnsAbsParam name="username" key="username" value="sa"/>
  <vnsAbsParam name="password" key="password" value="Citrix123"/>
</vnsAbsFolder>
</vnsAbsDevCfg>
<!-- Function Configuration -->
<vnsAbsFuncCfg>
  <vnsAbsFolder key="mFCngdbuser" name="dbuser1" scopedBy="epg">
    <vnsAbsCfgRel name="dbuser_key" key="dbuser_key"
      targetName="dbUser1"/>
  </vnsAbsFolder>
  <vnsAbsFolder key="external_network" name="external_network"
    scopedBy="epg">
    <vnsAbsCfgRel name="external_network_key" key="external_network_key"
      targetName="network/snip1"/>
    <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
      WebGraph_CS_DB_2/AbsNode-CS_DB_2/AbsFConn-outside" />
  </vnsAbsFolder>
  <vnsAbsFolder key="internal_network" name="internal_network"
    scopedBy="epg">
    <vnsAbsCfgRel name="internal_network_key" key="internal_network_key"
      targetName="network/snip2"/>
    <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
      WebGraph_CS_DB_2/AbsNode-CS_DB_2/AbsFConn-inside" />
  </vnsAbsFolder>
</vnsAbsFuncCfg>
</vnsAbsNode>
<vnsAbsTermNodeCon name = "Output1">
  <vnsAbsTermConn name = "C6">
  </vnsAbsTermConn>
</vnsAbsTermNodeCon>
<vnsAbsConnection name = "CON1">
  <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
    WebGraph_CS_DB_2/AbsTermNodeCon-Output1/AbsTConn" />
  <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
    WebGraph_CS_DB_2/AbsNode-CS_DB_2/AbsFConn-outside" />
</vnsAbsConnection>
<vnsAbsConnection name = "CON2">
  <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
    WebGraph_CS_DB_2/AbsNode-CS_DB_2/AbsFConn-inside" />
  <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
    WebGraph_CS_DB_2/AbsTermNodeProv-Input1/AbsTConn" />
</vnsAbsConnection>
</vnsAbsGraph>
</fvTenant>
</polUni>

```

Return to [XML Files that Configure NetScaler Services for SharePoint, page C-41](#).

Goto [Configurations, page C-1](#).

### CreateServiceGraphWithParams\_SP\_cs\_DB\_2.xml

Create a second service graph and configure L4-L7 parameters for Content Switching of Database. Configuring a service graph for Content Switching of Database is a two-step process.

```
<!-- CreateServiceGraphWithParams_SP_cs_DB_2.xml -->
<!-- Create service graph with L4-L7 parameters for CS of Database -->
<polUni>
  <fvTenant name="silverTenant1"> <!-- CS / DB configuration -->
    <vnsAbsGraph name = "WebGraph_CS_DB">
      <vnsAbsTermNodeProv name = "Input1">
        <vnsAbsTermConn name = "C1">
          </vnsAbsTermConn>
        </vnsAbsTermNodeProv>
      <vnsAbsNode name = "CS_DB" funcType="GoTo" >
        <vnsAbsFuncConn name = "outside" attNotify="true">
          <vnsRsMConnAtt tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-ContentSwitching/mConn-external" />
        </vnsAbsFuncConn>
        <vnsAbsFuncConn name = "inside" attNotify="true">
          <vnsRsMConnAtt tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-ContentSwitching/mConn-internal" />
        </vnsAbsFuncConn>
        <vnsRsNodeToMFunc tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-ContentSwitching"/>
        <vnsRsDefaultScopeToTerm tDn="uni/tn-silverTenant1/AbsGraph-WebGraph_CS_DB/AbsTermNodeProv-Input1/outtmnl"/>
      <vnsAbsDevCfg>
        <vnsAbsFolder key="Network" name="network" scopedBy="epg">
          <vnsAbsFolder key="nsip" name="snip1">
            <vnsAbsParam key="ipaddress" name="ip1" value="101.16.1.11"/>
            <vnsAbsParam key="netmask" name="netmask1" value="255.255.255.0"/>
            <vnsAbsParam key="type" name="type" value="SNIP"/>
            <vnsAbsParam key="dynamicrouting" name="dynamicrouting" value="ENABLED"/>
            <vnsAbsParam key="hostroute" name="hostroute" value="DISABLED"/>
          </vnsAbsFolder>
          <vnsAbsFolder key="nsip" name="snip2">
            <vnsAbsParam key="ipaddress" name="ip2" value="10.16.1.11"/>
            <vnsAbsParam key="netmask" name="netmask2" value="255.255.255.0"/>
            <vnsAbsParam key="type" name="type" value="SNIP"/>
            <vnsAbsParam key="dynamicrouting" name="dynamicrouting" value="DISABLED"/>
            <vnsAbsParam key="hostroute" name="hostroute" value="DISABLED"/>
          </vnsAbsFolder>
        </vnsAbsFolder>
        <vnsAbsFolder key="csvserver" name="csvserver1" scopedBy="epg">
          <vnsAbsParam name="name" key="name" value="vip-MSSQL_CS"/>
          <vnsAbsParam name="ipv46" key="ipv46" value="10.16.1.122"/>
          <vnsAbsParam name="servicetype" key="servicetype" value="MSSQL"/>
          <vnsAbsParam name="port" key="port" value="1433"/>
          <vnsAbsParam name="mssqlserverversion" key="mssqlserverversion" value="2012"/>
          <vnsAbsFolder key="csvserver_cspolicy_binding" name="cspolbind1">
            <vnsAbsCfgrRel key="policyname" name="poll1" targetName="csPolicy/cs_poll1"/>
            <vnsAbsParam name="priority" key="priority" value="10"/>
          </vnsAbsFolder>
        </vnsAbsFolder>
      </vnsAbsDevCfg>
    </vnsAbsNode>
  </fvTenant>
</polUni>
```

```

        <vnsAbsParam name="targetlbserver" key="targetlbserver"
            value="vip-mssql-LB_READ"/>
    </vnsAbsFolder>
</vnsAbsFolder>
<vnsAbsFolder key="csvserver_cspolicy_binding" name="cspolbind2">
    <vnsAbsCfgRel key="policyname" name="poll2"
        targetName="csPolicy/cs_pol2"/>
    <vnsAbsParam name="priority" key="priority" value="20"/>
    <vnsAbsParam name="targetlbserver" key="targetlbserver"
        value="vip-mssql-LB_READ"/>
</vnsAbsFolder>
</vnsAbsFolder>
<vnsAbsFolder key="csvserver_lbserver_binding" name="cslbbind">
    <vnsAbsCfgRel key="lbserver" name="cslb3"
        targetName="lbserver2"/>
</vnsAbsFolder>
</vnsAbsFolder>
<vnsAbsFolder key="lbserver" name="lbserver1" scopedBy="epg">
    <vnsAbsParam name="name" key="name" value="vip-mssql-LB_READ"/>
    <vnsAbsParam name="servicetype" key="servicetype" value="MSSQL"/>
    <vnsAbsParam name="ipv46" key="ipv46" value="10.16.1.151"/>
    <vnsAbsParam name="port" key="port" value="1433"/>
    <vnsAbsParam name="mssqlserverversion" key="mssqlserverversion"
        value="2012"/>
    <vnsAbsFolder key="lbserver_service_binding" name="lbService1">
        <vnsAbsCfgRel key="servicename" name="webservice1"
            targetName="service1_db"/>
    </vnsAbsFolder>
    <vnsAbsFolder key="lbserver_service_binding" name="lbService2">
        <vnsAbsCfgRel key="servicename" name="webservice2"
            targetName="service2_db"/>
    </vnsAbsFolder>
</vnsAbsFolder key="lbserver_service_binding" name="lbService3">
    <vnsAbsCfgRel key="servicename" name="webservice3"
        targetName="service3_db"/>
</vnsAbsFolder>
</vnsAbsFolder>
</vnsAbsFolder>
<vnsAbsFolder key="lbserver" name="lbserver2" scopedBy="epg">
    <vnsAbsParam name="name" key="name" value="vip-mssql-
        LB_WRITE"/>
    <vnsAbsParam name="servicetype" key="servicetype"
        value="MSSQL"/>
    <vnsAbsParam name="ipv46" key="ipv46" value="10.16.1.152"/>
    <vnsAbsParam name="port" key="port" value="1433"/>
    <vnsAbsParam name="mssqlserverversion" key="mssqlserverversion"
        value="2012"/>
    <vnsAbsFolder key="lbserver_service_binding"
        name="lbService3">
        <vnsAbsCfgRel key="servicename" name="webservice1"
            targetName="service4_db"/>
    </vnsAbsFolder>
</vnsAbsFolder>
</vnsAbsFolder>
<vnsAbsFolder key="service" name="service1_db" scopedBy="epg">
    <vnsAbsParam name="name" key="name" value="sql-1.test.ctx"/>
    <vnsAbsParam name="ip" key="ip" value="10.1.3.101"/>
    <vnsAbsParam name="servicetype" key="servicetype"
        value="MSSQL"/>
    <vnsAbsParam name="port" key="port" value="1433"/>
    <vnsAbsFolder key="service_lbmonitor_binding"
        name="servMonBind1">
        <vnsAbsCfgRel key="monitor_name" name="monitor_name"
            targetName="lbMon1"/>
    </vnsAbsFolder>
</vnsAbsFolder>
</vnsAbsFolder>
<vnsAbsFolder key="service" name="service2_db" scopedBy="epg">
    <vnsAbsParam name="name" key="name" value="sql-2.test.ctx"/>

```

```

<vnsAbsParam name="ip" key="ip" value="10.1.3.102"/>
<vnsAbsParam name="servicetype" key="servicetype"
  value="MSSQL"/>
<vnsAbsParam name="port" key="port" value="1433"/>
<vnsAbsFolder key="service_lbmonitor_binding"
  name="servMonBind1">
  <vnsAbsCfgRel key="monitor_name" name="monitor_name"
    targetName="lbMon2"/>
</vnsAbsFolder>
</vnsAbsFolder>
<vnsAbsFolder key="service" name="service3_db" scopedBy="epg">
  <vnsAbsParam name="name" key="name" value="sql-3.test.ctx"/>
  <vnsAbsParam name="ip" key="ip" value="10.1.3.103"/>
  <vnsAbsParam name="servicetype" key="servicetype"
    value="MSSQL"/>
  <vnsAbsParam name="port" key="port" value="1433"/>
  <vnsAbsFolder key="service_lbmonitor_binding"
    name="servMonBind1">
    <vnsAbsCfgRel key="monitor_name" name="monitor_name"
      targetName="lbMon3"/>
  </vnsAbsFolder>
</vnsAbsFolder>
<vnsAbsFolder key="service" name="service4_db" scopedBy="epg">
  <vnsAbsParam name="name" key="name" value="sql_listener"/>
  <vnsAbsParam name="ip" key="ip" value="10.1.3.105"/>
  <vnsAbsParam name="servicetype" key="servicetype"
    value="MSSQL"/>
  <vnsAbsParam name="port" key="port" value="1433"/>
</vnsAbsFolder>
<vnsAbsFolder key="lbmonitor" name="lbMon1" scopedBy="epg">
  <vnsAbsParam name="monitorname" key="monitorname"
    value="read_replica1"/>
  <vnsAbsParam name="type" key="type" value="MSSQL-ECV"/>
  <vnsAbsParam name="sqlquery" key="sqlquery" value="select role,
    role_desc from sys.dm_hadr_availability_replica_states as A,
    sys.dm_hadr_availability_replica_cluster_states as B where
    (A.replica_id = B.replica_id and B.replica_server_name =
    'sql-1') and A.group_id in (select ag_id from
    sys.dm_hadr_name_id_map where ag_name =
    'AG_SharePoint_2013')"/>
  <vnsAbsParam name="evalrule" key="evalrule"
    value="MSSQL.RES.ROW(0).TEXT_ELEM(1)
    .EQ(&quot;SECONDARY&quot;)/>
  <vnsAbsParam name="username" key="username" value="sa"/>
</vnsAbsFolder>
<vnsAbsFolder key="lbmonitor" name="lbMon2" scopedBy="epg">
  <vnsAbsParam name="monitorname" key="monitorname"
    value="read_replica2"/>
  <vnsAbsParam name="type" key="type" value="MSSQL-ECV"/>
  <vnsAbsParam name="sqlquery" key="sqlquery" value="select role,
    role_desc from sys.dm_hadr_availability_replica_states as A,
    sys.dm_hadr_availability_replica_cluster_states as B where
    (A.replica_id = B.replica_id and B.replica_server_name =
    'sql-2') and A.group_id in (select ag_id from
    sys.dm_hadr_name_id_map where ag_name =
    'AG_SharePoint_2013')"/>
  <vnsAbsParam name="evalrule" key="evalrule"
    value="MSSQL.RES.ROW(0).TEXT_ELEM(1).EQ(&quot;
    SECONDARY&quot;)/>
  <vnsAbsParam name="username" key="username" value="sa"/>
</vnsAbsFolder>
<vnsAbsFolder key="lbmonitor" name="lbMon3" scopedBy="epg">
  <vnsAbsParam name="monitorname" key="monitorname"
    value="read_replica3"/>

```

```

<vnsAbsParam name="type" key="type" value="MSSQL-ECV"/>
<vnsAbsParam name="sqlquery" key="sqlquery" value="select role,
role_desc from sys.dm_hadr_availability_replica_states as A,
sys.dm_hadr_availability_replica_cluster_states as B where
(A.replica_id = B.replica_id and B.replica_server_name =
'sql-3') and A.group_id in (select ag_id from
sys.dm_hadr_name_id_map where ag_name =
'AG_SharePoint_2013')"/>
<vnsAbsParam name="evalrule" key="evalrule"
value="MSSQL.RES.ROW(0).TEXT_ELEM(1).EQ(&quot;
SECONDARY&quot;)" />
<vnsAbsParam name="username" key="username" value="sa"/>
</vnsAbsFolder>
<vnsAbsFolder key="Policy" name="csPolicy" scopedBy="epg">
<vnsAbsFolder key="cspolicy" name="cs_pol1">
<vnsAbsParam name="policyname" key="policyname"
value="CS_Read1"/>
<vnsAbsParam name="rule" key="rule"
value="MSSQL.CLIENT.TYPEFLAGS.BITAND(32).EQ(32)"/>
</vnsAbsFolder>
<vnsAbsFolder key="cspolicy" name="cs_pol2">
<vnsAbsParam name="policyname" key="policyname"
value="CS_Read2"/>
<vnsAbsParam name="rule" key="rule"
value="MSSQL.REQ.QUERY.COMMAND.SET_TEXT_MODE(IGNORECASE)
.EQ(&quot;select&quot;)" />
</vnsAbsFolder>
<vnsAbsFolder key="responderpolicy" name="respPol">
<vnsAbsParam name="name" key="name"
value="Top_MSSQL_QUERY_RPC_LBVSERVER"/>
<vnsAbsParam name="rule" key="rule"
value="ANALYTICS.STREAM
(&quot;Top_MSSQL_QUERY_RPC_LBVSERVER&quot;)
.COLLECT_STATS"/>
<vnsAbsCfgRel key="action" name="action" targetName="noOP"/>
<vnsAbsCfgRel key="logaction" name="logaction"
targetName="auditMsgAction"/>
</vnsAbsFolder>
</vnsAbsFolder>
<vnsAbsFolder key="responderaction" name="noOP" scopedBy="epg">
<vnsAbsParam name="name" key="name" value="OPnahi"/>
<vnsAbsParam name="type" key="type" value="noop"/>
<vnsAbsParam name="target" key="target" value="dummy_arg"/>
</vnsAbsFolder>
<vnsAbsFolder key="auditmessageaction" name="auditMsgAction"
scopedBy="epg">
<vnsAbsParam name="name" key="name" value="db_log"/>
<vnsAbsParam name="loglevel" key="loglevel" value="ALERT"/>
<vnsAbsParam name="stringbuilderexpr" key="stringbuilderexpr"
value="'MSSQL.REQ.RPC.NAME + &quot; accessed by &quot;
+ MSSQL.CLIENT.USER + &quot; from &quot; + CLIENT.IP.SRC'"/>
</vnsAbsFolder>
</vnsAbsDevCfg>
<vnsAbsFuncCfg>
<vnsAbsFolder key="mFCngcvsrserver" name="wcvserver1" scopedBy="epg">
<vnsAbsCfgRel name="csvserver_key" key="csvserver_key"
targetName="csvserver1"/>
<vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
WebGraph_CS_DB/AbsNode-CS_DB/AbsFConn-outside" />
</vnsAbsFolder>
<vnsAbsFolder key="mFCnglbvserver" name="wlbvserver1" scopedBy="epg">
<vnsAbsCfgRel name="lbsverver_key" key="lbvserver_key"
targetName="lbvserver1"/>

```

```

        <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
            WebGraph_CS_DB/AbsNode-CS_DB/AbsFConn-outside" />
    </vnsAbsFolder>
    <vnsAbsFolder key="mFCnglbvserver" name="wlbvserver2" scopedBy="epg">
        <vnsAbsCfgRel name="lbsverver_key" key="lbvserver_key"
            targetName="lbvserver2" />
        <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
            WebGraph_CS_DB/AbsNode-CS_DB/AbsFConn-outside" />
    </vnsAbsFolder>
    <vnsAbsFolder key="mFCngservice" name="wservice1" scopedBy="epg">
        <vnsAbsCfgRel name="service_key" key="service_key"
            targetName="service1_db" />
        <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
            WebGraph_CS_DB/AbsNode-CS_DB/AbsFConn-inside" />
    </vnsAbsFolder>
    <vnsAbsFolder key="mFCngservice" name="wservice2" scopedBy="epg">
        <vnsAbsCfgRel name="service_key" key="service_key"
            targetName="service2_db" />
        <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
            WebGraph_CS_DB/AbsNode-CS_DB/AbsFConn-inside" />
    </vnsAbsFolder>
    <vnsAbsFolder key="mFCngservice" name="wservice3" scopedBy="epg">
        <vnsAbsCfgRel name="service_key" key="service_key"
            targetName="service3_db" />
        <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
            WebGraph_CS_DB/AbsNode-CS_DB/AbsFConn-inside" />
    </vnsAbsFolder>
    <vnsAbsFolder key="mFCngservice" name="wservice4" scopedBy="epg">
        <vnsAbsCfgRel name="service_key" key="service_key"
            targetName="service4_db" />
        <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
            WebGraph_CS_DB/AbsNode-CS_DB/AbsFConn-inside" />
    </vnsAbsFolder>
    <vnsAbsFolder key="mFCnglbmonitor" name="LBMON1" scopedBy="epg">
        <vnsAbsCfgRel name="lbmonitor_key" key="lbmonitor_key"
            targetName="lbMon1" />
    </vnsAbsFolder>
    <vnsAbsFolder key="mFCnglbmonitor" name="LBMON2" scopedBy="epg">
        <vnsAbsCfgRel name="lbmonitor_key" key="lbmonitor_key"
            targetName="lbMon2" />
    </vnsAbsFolder>
    <vnsAbsFolder key="mFCnglbmonitor" name="LBMON3" scopedBy="epg">
        <vnsAbsCfgRel name="lbmonitor_key" key="lbmonitor_key"
            targetName="lbMon3" />
    </vnsAbsFolder>
    <vnsAbsFolder key="mFCngPolicy" name="Pol1" scopedBy="epg">
        <vnsAbsCfgRel name="Policy_key" key="Policy_key"
            targetName="csPolicy/cs_pol1" />
    </vnsAbsFolder>
    <vnsAbsFolder key="mFCngPolicy" name="Pol2" scopedBy="epg">
        <vnsAbsCfgRel name="Policy_key" key="Policy_key"
            targetName="csPolicy/cs_pol2" />
    </vnsAbsFolder>
    <vnsAbsFolder key="mFCngPolicy" name="Pol3" scopedBy="epg">
        <vnsAbsCfgRel name="Policy_key" key="Policy_key"
            targetName="csPolicy/respPol" />
    </vnsAbsFolder>
    <vnsAbsFolder key="external_network" name="external_network"
        scopedBy="epg">
        <vnsAbsCfgRel name="external_network_key"
            key="external_network_key" targetName="network/snip1" />
        <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
            WebGraph_CS_DB/AbsNode-CS_DB/AbsFConn-outside" />
    </vnsAbsFolder>

```

```

<vnsAbsFolder key="internal_network" name="internal_network"
  scopedBy="epg">
  <vnsAbsCfgRel name="internal_network_key"
    key="internal_network_key" targetName="network/snip2"/>
  <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
    WebGraph_CS_DB/AbsNode-CS_DB/AbsFConn-inside" />
</vnsAbsFolder>
</vnsAbsFuncCfg>
</vnsAbsNode>
<vnsAbsTermNodeCon name = "Output1">
  <vnsAbsTermConn name = "C6">
    </vnsAbsTermConn>
</vnsAbsTermNodeCon>
<vnsAbsConnection name = "CON1">
  <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
    WebGraph_CS_DB/AbsTermNodeCon-Output1/AbsTConn" />
  <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
    WebGraph_CS_DB/AbsNode-CS_DB/AbsFConn-outside" />
</vnsAbsConnection>
<vnsAbsConnection name = "CON2">
  <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
    WebGraph_CS_DB/AbsNode-CS_DB/AbsFConn-inside" />
  <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
    WebGraph_CS_DB/AbsTermNodeProv-Input1/AbsTConn" />
</vnsAbsConnection>
</vnsAbsGraph>
</fvTenant>
</polUni>

```

Return to [XML Files that Configure NetScaler Services for SharePoint, page C-41](#).

Goto [Configurations, page C-1](#).

## XML for Application Firewall

The following Application Firewall XML files are available for reference.

- [CreateServiceGraphWithParams\\_AppFW.xml, page C-56](#)  
Create a service graph and configure L4-L7 parameters for AppFW.
- [ConfigServiceGraph\\_SP\\_cs\\_ssl\\_1\\_withAppFW-policy.xml, page C-58](#)  
Configure additional L4-L7 parameters for the AppFW service graph that define the binding of AppFW policy.
- [ConfigAppFW\\_block\\_SQL\\_injection.xml, page C-62](#)  
Configure AppFW to block SQL injection attacks.
- [ConfigAppFW\\_block\\_XSS.xml, page C-63](#)  
Configure AppFW to block cross-site scripting (XSS) attacks.

Return to [XML Files that Configure NetScaler Services for SharePoint, page C-41](#).

Goto [Configurations, page C-1](#).

### CreateServiceGraphWithParams\_AppFW.xml

Create a service graph and configure L4-L7 parameters for AppFW.

```

<!-- CreateServiceGraphWithParams_AppFW.xml -->
<!-- Create service graph and L4-L7 parameters for AppFW -->
<polUni>
  <fvTenant name="silverTenant1">

```



```

<vnsAbsGraph name = "WebGraph_CS_AppFW_1">
<vnsAbsTermNodeProv name = "Input1">
  <vnsAbsTermConn name = "C1">
    </vnsAbsTermConn>
  </vnsAbsTermNodeProv>
<vnsAbsNode name = "CS_AppFW_1" funcType="GoTo" >
  <vnsAbsFuncConn name = "outside" attNotify="true">
    <vnsRsMConnAtt tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
      ApplicationFirewall/mConn-external" />
  </vnsAbsFuncConn>

  <vnsAbsFuncConn name = "inside" attNotify="true">
    <vnsRsMConnAtt tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
      ApplicationFirewall/mConn-internal" />
  </vnsAbsFuncConn>
  <vnsRsNodeToMFunc tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
    ApplicationFirewall"/>
<vnsRsDefaultScopeToTerm tDn="uni/tn-silverTenant1/AbsGraph-
  WebGraph_CS_AppFW_1/AbsTermNodeProv-Input1/outtmnl"/>
<vnsAbsDevCfg>
  <vnsAbsFolder key="Network" name="network" scopedBy="epg">
    <vnsAbsFolder key="nsip" name="snip1">
      <vnsAbsParam key="ipaddress" name="ip1" value="101.16.1.11"/>
      <vnsAbsParam key="netmask" name="netmask1" value="255.255.255.0"/>
      <vnsAbsParam key="type" name="type" value="SNIP"/>
      <vnsAbsParam key="dynamicrouting" name="dynamicrouting" value="ENABLED"/>
      <vnsAbsParam key="hostroute" name="hostroute" value="DISABLED"/>
    </vnsAbsFolder>
    <vnsAbsFolder key="nsip" name="snip2">
      <vnsAbsParam key="ipaddress" name="ip2" value="10.16.1.11"/>
      <vnsAbsParam key="netmask" name="netmask2" value="255.255.255.0"/>
      <vnsAbsParam key="type" name="type" value="SNIP"/>
      <vnsAbsParam key="dynamicrouting" name="dynamicrouting"
        value="DISABLED"/>
      <vnsAbsParam key="hostroute" name="hostroute" value="DISABLED"/>
    </vnsAbsFolder>
  </vnsAbsFolder>
  <vnsAbsFolder key="appfwprofile" name="apppro" scopedBy="epg">
    <vnsAbsParam name="name" key="name" value="Sharepoint_SharePoint_sig"/>
    <vnsAbsParam name="starturlaction" key="starturlaction" value="block learn
      log stats"/>
    <vnsAbsParam name="starturlclosure" key="starturlclosure" value="ON"/>
    <vnsAbsParam name="signatures" key="signatures" value="mssharepoint"/>
    <vnsAbsFolder key="appfwprofile_starturl_binding" name="appFw_1">
      <vnsAbsParam key="starturl" name="starturl"
        value="^https://sp2013.test.ctx(\\:)* (\\d)*/sites/Eng(/)?"/>
    </vnsAbsFolder>
    <vnsAbsFolder key="appfwprofile_starturl_binding" name="appFw_2">
      <vnsAbsParam key="starturl" name="starturl"
        value="^https://sp2013.test.ctx(\\:)* (\\d)*/sites/Mkt(/)?"/>
    </vnsAbsFolder>
  </vnsAbsFolder>
  <vnsAbsFolder key="Policy" name="csPolicy" scopedBy="epg">
    <vnsAbsFolder key="appfwpolicy" name="apppol" scopedBy="epg">
      <vnsAbsParam name="name" key="name" value="Sharepoint_SharePoint_sig"/>
      <vnsAbsParam name="rule" key="rule"
        value="HTTP.REQ.HOSTNAME.EQ(&quot;sp2013.test.ctx&quot;)/>
      <vnsAbsCfgRel key="profilename" name="cslb3" targetName="apppro"/>
    </vnsAbsFolder>
  </vnsAbsFolder>
</vnsAbsDevCfg>

<vnsAbsFuncCfg>
<vnsAbsFolder key="mFCngappfwprofile" name="appfwprofile1" scopedBy="epg">

```

```

    <vnsAbsCfgRel name="appfwprofile_key" key="appfwprofile_key"
      targetName="appro" />
  </vnsAbsFolder>
  <vnsAbsFolder key="mFCngPolicy" name="FwPol" scopedBy="epg">
    <vnsAbsCfgRel name="Policy_key" key="Policy_key"
      targetName="csPolicy/apppol" />
  </vnsAbsFolder>
  <vnsAbsFolder key="external_network" name="external_network"
    scopedBy="epg">
    <vnsAbsCfgRel name="external_network_key" key="external_network_key"
      targetName="network/snip1" />
    <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
      WebGraph_CS_AppFW_1/AbsNode-CS_AppFW_1/AbsFConn-inside" />
  </vnsAbsFolder>
  <vnsAbsFolder key="internal_network" name="internal_network"
    scopedBy="epg">
    <vnsAbsCfgRel name="internal_network_key" key="internal_network_key"
      targetName="network/snip2" />
    <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
      WebGraph_CS_AppFW_1/AbsNode-CS_AppFW_1/AbsFConn-outside" />
  </vnsAbsFolder>
</vnsAbsFuncCfg>
</vnsAbsNode>
<vnsAbsTermNodeCon name = "Output1">
  <vnsAbsTermConn name = "C6">
  </vnsAbsTermConn>
</vnsAbsTermNodeCon>
<vnsAbsConnection name = "CON1">
  <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
    WebGraph_CS_AppFW_1/AbsTermNodeCon-Output1/AbsTConn" />
  <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
    WebGraph_CS_AppFW_1/AbsNode-CS_AppFW_1/AbsFConn-outside" />
</vnsAbsConnection>
<vnsAbsConnection name = "CON2">
  <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
    WebGraph_CS_AppFW_1/AbsNode-CS_AppFW_1/AbsFConn-inside" />
  <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
    WebGraph_CS_AppFW_1/AbsTermNodeProv-Input1/AbsTConn" />
</vnsAbsConnection>
</vnsAbsGraph>
</fvTenant>
</polUni>

```

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### ConfigServiceGraph\_SP\_cs\_ssl\_1\_withAppFW-policy.xml

Configure additional L4-L7 parameters for the AppFW service graph that define the binding of AppFW policy.

```

<!-- ConfigServiceGraph_SP_cs_ssl_1_withAppFW-policy.xml -->
<!-- Configures additional L4-L7 parameters for binding AppFW policy -->
<polUni>
  <fvTenant name="silverTenant1">
    <fvAp dn="uni/tn-silverTenant1/ap-Web1-AppProfile" name="Web1-AppProfile">
      <!-- EPG 1 -->
      <fvAEPg dn="uni/tn-silverTenant1/ap-Web1-AppProfile/epg-Web1-EPG"
        name="Web1-EPG">
        <fvRsBd tnFvBDName="silverTenant1-BD1" />
        <fvRsProv tnVzBrCPName="webCtrct1"></fvRsProv>

```

```

<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
  nodeNameOrLbl="CS_SSL_1" key="Network" name="network">
  <vnsFolderInst ctrctNameOrLbl="webCtrct1"
    graphNameOrLbl="WebGraph_cs_ssl" nodeNameOrLbl="CS_SSL_1" key="nsip"
    name="snip1">
    <vnsParamInst key="ipaddress" name="ip1" value="101.16.1.11"/>
    <vnsParamInst key="netmask" name="netmask1" value="255.255.255.0"/>
    <vnsParamInst key="dynamicrouting" name="dynamicRouting"
      value="ENABLED"/>
    <vnsParamInst key="hostroute" name="hostroute" value="DISABLED"/>
    <vnsParamInst key="type" name="type" value="SNIP"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1"
    graphNameOrLbl="WebGraph_cs_ssl" nodeNameOrLbl="CS_SSL_1" key="nsip"
    name="snip2">
    <vnsParamInst key="ipaddress" name="ip2" value="10.16.1.11"/>
    <vnsParamInst key="netmask" name="netmask2" value="255.255.255.0"/>
    <vnsParamInst key="dynamicrouting" name="dynamicRouting"
      value="DISABLED"/>
    <vnsParamInst key="hostroute" name="hostroute" value="DISABLED"/>
    <vnsParamInst key="mgmtaccess" name="mgmtaccess" value="ENABLED"/>
    <vnsParamInst key="type" name="type" value="SNIP"/>
  </vnsFolderInst>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
  nodeNameOrLbl="CS_SSL_1" key="csvserver" name="vip-CS_SP2013" >
  <vnsParamInst name="name" key="name" value="vip-CS_SP2013"/>
  <vnsParamInst name="ipv46" key="ipv46" value="101.16.1.121"/>
  <vnsParamInst name="servicetype" key="servicetype" value="SSL"/>
  <vnsParamInst name="port" key="port" value="443"/>

  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
    nodeNameOrLbl="CS_SSL_1" key="csvserver_cspolicy_binding"
    name="cspolbind1">
    <vnsCfgRelInst key="policyname" name="poll1"
      targetName="csPolicy/cspol1"/>
    <vnsParamInst name="targetlbvserver" key="targetlbvserver" value="vip-LB-
      sp2013-1"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
    nodeNameOrLbl="CS_SSL_1" key="csvserver_cspolicy_binding"
    name="cspolbind2">
    <vnsCfgRelInst key="policyname" name="poll2"
      targetName="csPolicy/cspol2"/>
    <vnsParamInst name="targetlbvserver" key="targetlbvserver" value="vip-LB-
      sp2013-2"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
    nodeNameOrLbl="CS_SSL_1" key="csvserver_lbvserver_binding" name="lbvserver" >
    <vnsCfgRelInst key="lbvserver" name="lbvserver" targetName="vip-LB-
      sp2013-1"/>
  </vnsFolderInst>

  <!-- ===== -->
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
    nodeNameOrLbl="CS_SSL_1" key="csvserver_appfwpolicy_binding"
    name="appfwbind1">
    <vnsCfgRelInst key="policyname" name="poll1"
      targetName="appfwPolicy_1/apfw1"/>
    <vnsParamInst name="priority" key="priority" value="100"/>
    <vnsParamInst name="gotopriorityexpression" key="gotopriorityexpression"
      value="END"/>
    <vnsParamInst name="bindpoint" key="bindpoint" value="REQUEST"/>
  </vnsFolderInst>

```

```

<!-- ===== -->

</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
  nodeNameOrLbl="CS_SSL_1" key="lbvserver" name="vip-LB-sp2013-1" >
  <vnsParamInst name="name" key="name" value="vip-LB-sp2013-1"/>
  <vnsParamInst name="ipv46" key="ipv46" value="10.16.1.111"/>
  <vnsParamInst name="servicetype" key="servicetype" value="HTTP"/>
  <vnsParamInst name="port" key="port" value="80"/>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
    nodeNameOrLbl="CS_SSL_1" key="lbvserver_service_binding"
    name="lbService1">
    <vnsCfgRelInst key="servicename" name="webservice1"
      targetName="service1"/>
  </vnsFolderInst>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
  nodeNameOrLbl="CS_SSL_1" key="lbvserver" name="vip-LB-sp2013-2" >
  <vnsParamInst name="name" key="name" value="vip-LB-sp2013-2"/>
  <vnsParamInst name="servicetype" key="servicetype" value="HTTP"/>
  <vnsParamInst name="ipv46" key="ipv46" value="10.16.1.112"/>
  <vnsParamInst name="port" key="port" value="80"/>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
    nodeNameOrLbl="CS_SSL_1" key="lbvserver_service_binding"
    name="lbService1">
    <vnsCfgRelInst key="servicename" name="webservice1"
      targetName="service2"/>
  </vnsFolderInst>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
  nodeNameOrLbl="CS_SSL_1" key="service" name="service1" >
  <vnsParamInst name="name" key="name" value="service-sp2013-1"/>
  <vnsParamInst name="ip" key="ip" value="10.1.2.101"/>
  <vnsParamInst name="servicetype" key="servicetype" value="SSL"/>
  <vnsParamInst name="port" key="port" value="443"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
    nodeNameOrLbl="CS_SSL_1" key="service" name="service2">
    <vnsParamInst name="name" key="name" value="service-sp2013-2"/>
    <vnsParamInst name="ip" key="ip" value="10.1.2.102"/>
    <vnsParamInst name="servicetype" key="servicetype" value="SSL"/>
    <vnsParamInst name="port" key="port" value="443"/>
  </vnsFolderInst>
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
    nodeNameOrLbl="CS_SSL_1" key="Policy" name="csPolicy">
    <vnsFolderInst ctrctNameOrLbl="webCtrct1"
      graphNameOrLbl="WebGraph_cs_ssl" nodeNameOrLbl="CS_SSL_1"
      key="cspolicy" name="cspol1">
      <vnsParamInst name="policyname" key="policyname" value="policy-cs-eng"/>
      <vnsParamInst name="url" key="url" value="/sites/Eng/*"/>
    </vnsFolderInst>
    <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
      nodeNameOrLbl="CS_SSL_1" key="cspolicy" name="cspol2">
      <vnsParamInst name="policyname" key="policyname" value="policy-cs-mkt"/>
      <vnsParamInst name="url" key="url" value="/sites/Mkt/*"/>
    </vnsFolderInst>
  </vnsFolderInst>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
  nodeNameOrLbl="CS_SSL_1" key="Policy" name="appfwPolicy_1">
  <vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
    nodeNameOrLbl="CS_SSL_1" key="appfwpolicy" name="apfw1">
    <vnsParamInst name="name" key="name"
      value="Sharepoint_SharePoint_sig"/>
  </vnsFolderInst>

```

```

    <vnsParamInst name="rule" key="rule"
      value="HTTP.REQ.HOSTNAME.EQ(&quot;sp2013.test.ctx&quot;)" />
  </vnsFolderInst>
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
  nodeNameOrLbl="CS_SSL_1" key="mFCngcsvserver" name="wcsvserver1">
  <vnsCfgRelInst name="csvserver_key" key="csvserver_key" targetName="vip-
    CS_SP2013" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1"
  graphNameOrLbl="WebGraph_cs_ssl" nodeNameOrLbl="CS_SSL_1"
  key="mFCnglbvserver" name="wlbvserver1">
  <vnsCfgRelInst name="lbserver_key" key="lbvserver_key" targetName="vip-
    LB-sp2013-1" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
  nodeNameOrLbl="CS_SSL_1" key="mFCnglbvserver" name="wlbvserver2">
  <vnsCfgRelInst name="lbserver_key" key="lbvserver_key" targetName="vip-
    LB-sp2013-2" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
  nodeNameOrLbl="CS_SSL_1" key="mFCngservice" name="wservice1">
  <vnsCfgRelInst name="service_key1" key="service_key"
    targetName="service1" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
  nodeNameOrLbl="CS_SSL_1" key="mFCngservice" name="wservice2">
  <vnsCfgRelInst name="service_key1" key="service_key"
    targetName="service2" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
  nodeNameOrLbl="CS_SSL_1" key="mFCngPolicy" name="Pol1">
  <vnsCfgRelInst name="Policy_key" key="Policy_key"
    targetName="csPolicy/cspol1" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
  nodeNameOrLbl="CS_SSL_1" key="mFCngPolicy" name="Pol2">
  <vnsCfgRelInst name="Policy_key" key="Policy_key"
    targetName="csPolicy/cspol2" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
  nodeNameOrLbl="CS_SSL_1" key="mFCngPolicy" name="Pol1_appfw">
  <vnsCfgRelInst name="Policy_key" key="Policy_key"
    targetName="appfwPolicy_1" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
  nodeNameOrLbl="CS_SSL_1" key="external_network" name="external_network">
  <vnsCfgRelInst name="internal_network_key" key="external_network_key"
    targetName="network/snip1" />
</vnsFolderInst>
<vnsFolderInst ctrctNameOrLbl="webCtrct1" graphNameOrLbl="WebGraph_cs_ssl"
  nodeNameOrLbl="CS_SSL_1" key="internal_network" name="internal_network">
  <vnsCfgRelInst name="external_network_key" key="internal_network_key"
    targetName="network/snip2" />
</vnsFolderInst>
</fvAEPg>
</fvAp>
</fvTenant>
</polUni>

```

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**ConfigAppFW\_block\_SQL\_injection.xml**

Configure AppFW to block SQL injection attacks.

```

<!-- ConfigAppFW_block_SQL_injection.xml -->
<!-- Configure AppFW to block SQL injection attacks -->
<polUni>
  <fvTenant name="silverTenant1">
    <vnsAbsGraph name = "WebGraph_CS_AppFW_1">
      <vnsAbsTermNodeProv name = "Input1">
        <vnsAbsTermConn name = "C1">
          </vnsAbsTermConn>
        </vnsAbsTermNodeProv>
      <vnsAbsNode name = "CS_AppFW_1" funcType="GoTo" >
        <vnsAbsFuncConn name = "outside" attNotify="true">
          <vnsRsMConnAtt tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
            ApplicationFirewall/mConn-external" />
          </vnsAbsFuncConn>
        <vnsAbsFuncConn name = "inside" attNotify="true">
          <vnsRsMConnAtt tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
            ApplicationFirewall/mConn-internal" />
          </vnsAbsFuncConn>
        <vnsRsNodeToMFunc tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
          ApplicationFirewall"/>
        <vnsRsDefaultScopeToTerm tDn="uni/tn-silverTenant1/AbsGraph-
          WebGraph_CS_AppFW_1/AbsTermNodeProv-Input1/outtml" />
      <vnsAbsDevCfg>
        <vnsAbsFolder key="Network" name="network" scopedBy="epg">
          <vnsAbsFolder key="nsip" name="snip1">
            <vnsAbsParam key="ipaddress" name="ip1" value="101.16.1.11"/>
            <vnsAbsParam key="netmask" name="netmask1" value="255.255.255.0"/>
            <vnsAbsParam key="type" name="type" value="SNIP"/>
            <vnsAbsParam key="dynamicrouting" name="dynamicrouting"
              value="ENABLED"/>
            <vnsAbsParam key="hostroute" name="hostroute" value="DISABLED"/>
          </vnsAbsFolder>
          <vnsAbsFolder key="nsip" name="snip2">
            <vnsAbsParam key="ipaddress" name="ip2" value="10.16.1.11"/>
            <vnsAbsParam key="netmask" name="netmask2" value="255.255.255.0"/>
            <vnsAbsParam key="type" name="type" value="SNIP"/>
            <vnsAbsParam key="dynamicrouting" name="dynamicrouting"
              value="DISABLED"/>
            <vnsAbsParam key="hostroute" name="hostroute" value="DISABLED"/>
          </vnsAbsFolder>
        </vnsAbsFolder>
      <vnsAbsFolder key="appfwprofile" name="appro" scopedBy="epg">
        <vnsAbsParam name="name" key="name" value="Sharepoint_SharePoint_sig"/>
        <vnsAbsParam name="starturlaction" key="starturlaction" value="block
          learn log stats"/>
        <vnsAbsParam name="starturlclosure" key="starturlclosure" value="ON"/>
        <vnsAbsParam name="signatures" key="signatures" value="mssharepoint"/>
        <vnsAbsParam name="sqlinjectionaction" key="sqlinjectionaction"
          value="block learn log stats"/>
        <vnsAbsFolder key="appfwprofile_starturl_binding" name="appFw_1">
          <vnsAbsParam key="starturl" name="starturl"
            value="^https://sp2013.test.ctx(\\:)* (\\d)*/sites/Eng(/)?"/>
        </vnsAbsFolder>
        <vnsAbsFolder key="appfwprofile_starturl_binding" name="appFw_2">
          <vnsAbsParam key="starturl" name="starturl"
            value="^https://sp2013.test.ctx(\\:)* (\\d)*/sites/Mkt(/)?"/>
        </vnsAbsFolder>
      </vnsAbsFolder>
    </vnsAbsFolder key="Policy" name="csPolicy" scopedBy="epg">
      <vnsAbsFolder key="appfwpolicy" name="appol" scopedBy="epg">

```

```

        <vnsAbsParam name="name" key="name"
            value="Sharepoint_SharePoint_sig"/>
        <vnsAbsParam name="rule" key="rule"
            value="HTTP.REQ.HOSTNAME.EQ(&quot;sp2013.test.ctx&quot;)/>
        <vnsAbsCfgRel key="profilename" name="cslb3" targetName="appro"/>
    </vnsAbsFolder>
</vnsAbsFolder>
</vnsAbsDevCfg>
<vnsAbsFuncCfg>
    <vnsAbsFolder key="mFCngappfwprofile" name="appfwprofile1"
        scopedBy="epg">
        <vnsAbsCfgRel name="appfwprofile_key" key="appfwprofile_key"
            targetName="appro"/>
    </vnsAbsFolder>
    <vnsAbsFolder key="mFCngPolicy" name="FwPol" scopedBy="epg">
        <vnsAbsCfgRel name="Policy_key" key="Policy_key"
            targetName="csPolicy/appol1"/>
    </vnsAbsFolder>
    <vnsAbsFolder key="external_network" name="external_network"
        scopedBy="epg">
        <vnsAbsCfgRel name="external_network_key" key="external_network_key"
            targetName="network/snip1"/>
        <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
            WebGraph_CS_AppFW_1/AbsNode-CS_AppFW_1/AbsFConn-inside" />
    </vnsAbsFolder>
    <vnsAbsFolder key="internal_network" name="internal_network"
        scopedBy="epg">
        <vnsAbsCfgRel name="internal_network_key" key="internal_network_key"
            targetName="network/snip2"/>
        <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
            WebGraph_CS_AppFW_1/AbsNode-CS_AppFW_1/AbsFConn-outside" />
    </vnsAbsFolder>
</vnsAbsFuncCfg>
</vnsAbsNode>
<vnsAbsTermNodeCon name = "Output1">
    <vnsAbsTermConn name = "C6">
    </vnsAbsTermConn>
</vnsAbsTermNodeCon>
<vnsAbsConnection name = "CON1">
    <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
        WebGraph_CS_AppFW_1/AbsTermNodeCon-Output1/AbsTConn" />
    <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
        WebGraph_CS_AppFW_1/AbsNode-CS_AppFW_1/AbsFConn-outside" />
</vnsAbsConnection>
<vnsAbsConnection name = "CON2">
    <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
        WebGraph_CS_AppFW_1/AbsNode-CS_AppFW_1/AbsFConn-inside" />
    <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
        WebGraph_CS_AppFW_1/AbsTermNodeProv-Input1/AbsTConn" />
</vnsAbsConnection>
</vnsAbsGraph>
</fvTenant>
</polUni>

```

Return to [XML Files that Configure NetScaler Services for SharePoint, page C-41](#).

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#### ConfigAppFW\_block\_XSS.xml

Configure AppFW to block cross-site scripting (XSS) attacks.

```

<!-- ConfigAppFW_block_XSS.xml -->
<!-- Configure AppFW to block XSS attacks -->

```

```

<polUni>
  <fvTenant name="silverTenant1">
    <vnsAbsGraph name = "WebGraph_CS_AppFW_1">
      <vnsAbsTermNodeProv name = "Input1">
        <vnsAbsTermConn name = "C1">
          </vnsAbsTermConn>
        </vnsAbsTermNodeProv>
      <vnsAbsNode name = "CS_AppFW_1" funcType="GoTo" >
        <vnsAbsFuncConn name = "outside" attNotify="true">
          <vnsRsMConnAtt tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
            ApplicationFirewall/mConn-external" />
          </vnsAbsFuncConn>
        <vnsAbsFuncConn name = "inside" attNotify="true">
          <vnsRsMConnAtt tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
            ApplicationFirewall/mConn-internal" />
          </vnsAbsFuncConn>
        <vnsRsNodeToMFunc tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
            ApplicationFirewall"/>
        <vnsRsDefaultScopeToTerm tDn="uni/tn-silverTenant1/AbsGraph-
            WebGraph_CS_AppFW_1/AbsTermNodeProv-Input1/outtmml" />
      </vnsAbsDevCfg>
      <vnsAbsFolder key="Network" name="network" scopedBy="epg">
        <vnsAbsFolder key="nsip" name="snip1">
          <vnsAbsParam key="ipaddress" name="ip1" value="101.16.1.11"/>
          <vnsAbsParam key="netmask" name="netmask1"
            value="255.255.255.0"/>
          <vnsAbsParam key="type" name="type" value="SNIP"/>
          <vnsAbsParam key="dynamicrouting" name="dynamicrouting"
            value="ENABLED"/>
          <vnsAbsParam key="hostroute" name="hostroute" value="DISABLED"/>
        </vnsAbsFolder>
        <vnsAbsFolder key="nsip" name="snip2">
          <vnsAbsParam key="ipaddress" name="ip2" value="10.16.1.11"/>
          <vnsAbsParam key="netmask" name="netmask2"
            value="255.255.255.0"/>
          <vnsAbsParam key="type" name="type" value="SNIP"/>
          <vnsAbsParam key="dynamicrouting" name="dynamicrouting"
            value="DISABLED"/>
          <vnsAbsParam key="hostroute" name="hostroute" value="DISABLED"/>
        </vnsAbsFolder>
      </vnsAbsFolder>
      <vnsAbsFolder key="appfwprofile" name="appro" scopedBy="epg">
        <vnsAbsParam name="name" key="name" value="Sharepoint_SharePoint_sig"/>
        <vnsAbsParam name="starturlaction" key="starturlaction" value="block
          learn log stats"/>
        <vnsAbsParam name="starturlclosure" key="starturlclosure" value="ON"/>
        <vnsAbsParam name="signatures" key="signatures" value="mssharepoint"/>
        <vnsAbsParam name="crossSiteScriptingAction"
          key="crosssitescriptingaction" value="block learn log stats"/>
        <vnsAbsFolder key="appfwprofile_starturl_binding" name="appFw_1">
          <vnsAbsParam key="starturl" name="starturl"
            value="^https://sp2013.test.ctx(\\:)* (\\d)*/sites/Eng(/)?"/>
        </vnsAbsFolder>
        <vnsAbsFolder key="appfwprofile_starturl_binding" name="appFw_2">
          <vnsAbsParam key="starturl" name="starturl"
            value="^https://sp2013.test.ctx(\\:)* (\\d)*/sites/Mkt(/)?"/>
        </vnsAbsFolder>
      </vnsAbsFolder>
      <vnsAbsFolder key="Policy" name="csPolicy" scopedBy="epg">
        <vnsAbsFolder key="appfwpolicy" name="apppol" scopedBy="epg">
          <vnsAbsParam name="name" key="name"
            value="Sharepoint_SharePoint_sig"/>
          <vnsAbsParam name="rule" key="rule"
            value="HTTP.REQ.HOSTNAME.EQ(&quot;sp2013.test.ctx&quot;)/"/>
        </vnsAbsFolder>
      </vnsAbsFolder>
    </vnsAbsGraph>
  </fvTenant>
</polUni>

```



```

        <vnsAbsCfgRel key="profilename" name="cslb3" targetName="appro" />
    </vnsAbsFolder>
</vnsAbsFolder>
</vnsAbsDevCfg>
<vnsAbsFuncCfg>
    <vnsAbsFolder key="mFCngappfwprofile" name="appfwprofile1"
        scopedBy="epg">
        <vnsAbsCfgRel name="appfwprofile_key" key="appfwprofile_key"
            targetName="appro" />
    </vnsAbsFolder>
    <vnsAbsFolder key="mFCngPolicy" name="FwPol" scopedBy="epg">
        <vnsAbsCfgRel name="Policy_key" key="Policy_key"
            targetName="csPolicy/apppol" />
    </vnsAbsFolder>
    <vnsAbsFolder key="external_network" name="external_network"
        scopedBy="epg">
        <vnsAbsCfgRel name="external_network_key" key="external_network_key"
            targetName="network/snip1" />
        <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
            WebGraph_CS_AppFW_1/AbsNode-CS_AppFW_1/AbsFConn-inside" />
    </vnsAbsFolder>
    <vnsAbsFolder key="internal_network" name="internal_network"
        scopedBy="epg">
        <vnsAbsCfgRel name="internal_network_key" key="internal_network_key"
            targetName="network/snip2" />
        <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
            WebGraph_CS_AppFW_1/AbsNode-CS_AppFW_1/AbsFConn-outside" />
    </vnsAbsFolder>
</vnsAbsFuncCfg>
</vnsAbsNode>
<vnsAbsTermNodeCon name = "Output1">
    <vnsAbsTermConn name = "C6">
</vnsAbsTermConn>
</vnsAbsTermNodeCon>
<vnsAbsConnection name = "CON1">
    <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
        WebGraph_CS_AppFW_1/AbsTermNodeCon-Output1/AbsTConn" />
    <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
        WebGraph_CS_AppFW_1/AbsNode-CS_AppFW_1/AbsFConn-outside" />
</vnsAbsConnection>
<vnsAbsConnection name = "CON2">
    <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
        WebGraph_CS_AppFW_1/AbsNode-CS_AppFW_1/AbsFConn-inside" />
    <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
        WebGraph_CS_AppFW_1/AbsTermNodeProv-Input1/AbsTConn" />
</vnsAbsConnection>
</vnsAbsGraph>
</fvTenant>
</polUni>

```

Return to [XML Files that Configure NetScaler Services for SharePoint, page C-41](#).

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## XML for Global Server Load Balancing (GSLB)

The following Global Server Load Balancing XML files are available for reference.

- [CreateServiceGraphWithParams\\_SP\\_GSLB\\_1.xml , page C-66](#)  
Create service graph with L4-L7 parameters for a GSLB ADNS configuration.
- [CreateServiceGraphWithParams\\_SP\\_GSLB\\_2.xml, page C-67](#)

Create a second service graph and configure additional L4-L7 parameters for GSLB.

- **ConfigParameters\_SP\_GSLB\_DynamicProx.xml, page C-70**

Configure L4-L7 parameters for GSLB using distribution by dynamic proximity.

- **ConfigParameters\_SP\_GSLB\_StaticProx.xml, page C-73**

Configure L4-L7 parameters for GSLB using distribution by static proximity.

- **ConfigParameters\_SP\_GSLB\_LeastConn.xml, page C-76**

Configure L4-L7 parameters for GSLB using distribution by least connection.

Return to [XML Files that Configure NetScaler Services for SharePoint, page C-41](#).

Goto [Configurations, page C-1](#).

### CreateServiceGraphWithParams\_SP\_GSLB\_1.xml

Create service graph with L4-L7 parameters for a GSLB ADNS configuration.

```
<!-- CreateServiceGraphWithParams_SP_GSLB_1.xml -->
<!-- Create service graph with L4-L7 parameters for GSLB -->
<polUni>
  <fvTenant name="silverTenant1"> <!-- GSLB configuration -->
    <vnsAbsGraph name = "WebGraph_CS_GSLB_ADNS">
      <vnsAbsTermNodeProv name = "Input1">
        <vnsAbsTermConn name = "C1">
          </vnsAbsTermConn>
        </vnsAbsTermNodeProv>
        <vnsAbsNode name = "GSLB_adns" funcType="GoTo" >
      <vnsAbsFuncConn name = "outside" attNotify="true">
        <vnsRsMConnAtt tDn="uni/infra/mDev-Citrix-NetScaler-1.0/
          mFunc-DomainNameService/mConn-external" />
      </vnsAbsFuncConn>
      <vnsAbsFuncConn name = "inside" attNotify="true">
        <vnsRsMConnAtt tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
          DomainNameService/mConn-internal" />
      </vnsAbsFuncConn>
      <vnsRsNodeToMFunc tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
        DomainNameService"/>
      <vnsRsDefaultScopeToTerm tDn="uni/tn-silverTenant1/AbsGraph-
        WebGraph_CS_GSLB_ADNS/AbsTermNodeProv-Input1/outtmnl"/>
    <!-- Device Configuration -->
    <vnsAbsDevCfg>
      <vnsAbsFolder key="Network" name="network" scopedBy="epg">
        <vnsAbsFolder key="nsip" name="snip1">
          <vnsAbsParam key="ipaddress" name="ip1" value="101.16.1.11"/>
          <vnsAbsParam key="netmask" name="netmask1"
            value="255.255.255.0"/>
          <vnsAbsParam key="type" name="tye" value="SNIP"/>
          <vnsAbsParam key="dynamicrouting" name="dynamicrouting"
            value="ENABLED"/>
          <vnsAbsParam key="hostroute" name="hostroute" value="DISABLED"/>
        </vnsAbsFolder>
        <vnsAbsFolder key="nsip" name="snip2">
          <vnsAbsParam key="ipaddress" name="ip2" value="10.16.1.11"/>
          <vnsAbsParam key="netmask" name="netmask2"
            value="255.255.255.0"/>
          <vnsAbsParam key="type" name="tye" value="SNIP"/>
          <vnsAbsParam key="dynamicrouting" name="dynamicrouting"
            value="DISABLED"/>
          <vnsAbsParam key="hostroute" name="hostroute" value="DISABLED"/>
        </vnsAbsFolder>
      </vnsAbsFolder>
    </vnsAbsDevCfg>
  </fvTenant>
</polUni>
```

```

        <vnsAbsFolder key="service" name="service1_adns" scopedBy="epg">
            <vnsAbsParam name="name" key="name" value="svc_adns_1" />
            <vnsAbsParam name="ip" key="ip" value="101.16.1.11" />
            <vnsAbsParam name="servicetype" key="servicetype"
                value="ADNS" />
            <vnsAbsParam name="port" key="port" value="53" />
        </vnsAbsFolder>
    </vnsAbsDevCfg>
<!-- Function Configuration -->
<vnsAbsFuncCfg>
    <vnsAbsFolder key="mFCngservice" name="wservice1" scopedBy="epg">
        <vnsAbsCfgRel name="service_key1" key="service_key"
            targetName="service1_adns" />
        <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
            WebGraph_CS_GSLB_ADNS/AbsNode-GSLB_adns/AbsFConn-inside" />
    </vnsAbsFolder>
    <vnsAbsFolder key="external_network" name="external_network"
        scopedBy="epg">
        <vnsAbsCfgRel name="external_network_key" key="external_network_key"
            targetName="network/snip1" />
        <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
            WebGraph_CS_GSLB_ADNS/AbsNode-GSLB_adns/AbsFConn-inside" />
    </vnsAbsFolder>
    <vnsAbsFolder key="internal_network" name="internal_network"
        scopedBy="epg">
        <vnsAbsCfgRel name="internal_network_key" key="internal_network_key"
            targetName="network/snip2" />
        <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
            WebGraph_CS_GSLB_ADNS/AbsNode-GSLB_adns/AbsFConn-outside" />
    </vnsAbsFolder>
</vnsAbsFuncCfg>
</vnsAbsNode>
<vnsAbsTermNodeCon name = "Output1">
    <vnsAbsTermConn name = "C6">
    </vnsAbsTermConn>
</vnsAbsTermNodeCon>
<vnsAbsConnection name = "CON1">
    <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
        WebGraph_CS_GSLB_ADNS/AbsTermNodeCon-Output1/AbsTConn" />
    <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
        WebGraph_CS_GSLB_ADNS/AbsNode-GSLB_adns/AbsFConn-outside" />
</vnsAbsConnection>
<vnsAbsConnection name = "CON2">
    <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
        WebGraph_CS_GSLB_ADNS/AbsNode-GSLB_adns/AbsFConn-inside" />
    <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
        WebGraph_CS_GSLB_ADNS/AbsTermNodeProv-Input1/AbsTConn" />
</vnsAbsConnection>
</vnsAbsGraph>
</fvTenant>
</polUni>

```

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Goto [Configurations, page C-1](#).

### CreateServiceGraphWithParams\_SP\_GSLB\_2.xml

Create a second service graph and configure additional L4-L7 parameters for GSLB.

```

<!-- CreateServiceGraphWithParams_SP_GSLB_2 -->
<!-- Configure additional L4-L7 parameters for GSLB -->
<polUni>
    <fvTenant name="silverTenant1">

```

```

<vnsAbsGraph name = "WebGraph_CS_GSLB_1">
<vnsAbsTermNodeProv name = "Input1">
  <vnsAbsTermConn name = "C1">
    </vnsAbsTermConn>
  </vnsAbsTermNodeProv>
<!-- Config here is for GSLB local node -->
<vnsAbsNode name = "GSLB_1" funcType="GoTo" >
<vnsAbsFuncConn name = "outside" attNotify="true">
  <vnsRsMConnAtt tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
    GlobalServerLoadBalancing/mConn-external" />
  </vnsAbsFuncConn>
<vnsAbsFuncConn name = "inside" attNotify="true">
  <vnsRsMConnAtt tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
    GlobalServerLoadBalancing/mConn-internal" />
  </vnsAbsFuncConn>
<vnsRsNodeToMFunc tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
  GlobalServerLoadBalancing"/>
<vnsRsDefaultScopeToTerm tDn="uni/tn-silverTenant1/AbsGraph-
  WebGraph_CS_GSLB_1/AbsTermNodeProv-Input1/outtmn1" />
<vnsAbsDevCfg>
<vnsAbsFolder key="Network" name="network" scopedBy="epg">
<vnsAbsFolder key="nsip" name="snip1">
  <vnsAbsParam key="ipaddress" name="ip2" value="101.16.1.11"/>
  <vnsAbsParam key="netmask" name="netmask1" value="255.255.255.0"/>
  <vnsAbsParam key="type" name="tye" value="SNIP"/>
  <vnsAbsParam key="dynamicrouting" name="dynamicrouting"
    value="ENABLED"/>
  <vnsAbsParam key="hostroute" name="hostroute" value="DISABLED"/>
</vnsAbsFolder>

  <vnsAbsFolder key="nsip" name="snip2">
  <vnsAbsParam key="ipaddress" name="ip1" value="10.16.1.11"/>
  <vnsAbsParam key="netmask" name="netmask2" value="255.255.255.0"/>
  <vnsAbsParam key="type" name="tye" value="SNIP"/>
  <vnsAbsParam key="dynamicrouting" name="dynamicrouting"
    value="DISABLED"/>
  <vnsAbsParam key="hostroute" name="hostroute" value="DISABLED"/>
</vnsAbsFolder>
</vnsAbsFolder>
<vnsAbsFolder key="gslbvserver" name="gslbVs1" scopedBy="epg">
  <vnsAbsParam name="name" key="name" value="vip-gslb-sp2013"/>
  <vnsAbsParam name="servicetype" key="servicetype" value="SSL"/>
  <vnsAbsFolder key="gslbvserver_gslbservice_binding"
    name="gslbVsServBind1" scopedBy="epg">
    <vnsAbsCfgRel name="servicename" key="servicename"
      targetName="gslbServ1"/>
  </vnsAbsFolder>
  <vnsAbsFolder key="gslbvserver_gslbservice_binding"
    name="gslbVsServBind2" scopedBy="epg">
    <vnsAbsCfgRel name="servicename" key="servicename"
      targetName="gslbServ2"/>
  </vnsAbsFolder>
  <vnsAbsFolder key="gslbvserver_domain_binding" name="gslbVsDomainBind1"
    scopedBy="epg">
    <vnsAbsParam name="domainname" key="domainname"
      value="sp2013.test.ctx"/>
  </vnsAbsFolder>
</vnsAbsFolder>
<vnsAbsFolder key="gslbservice" name="gslbServ1" scopedBy="epg">
  <vnsAbsParam name="servicename" key="servicename"
    value="svc_gslb_sp2013_dc1"/>
  <vnsAbsParam name="ip" key="ip" value="101.16.1.121"/>
  <vnsAbsParam name="servicetype" key="servicetype" value="SSL"/>
  <vnsAbsParam name="port" key="port" value="443"/>

```

```

    <vnsAbsCfgRel name="sitename" key="sitename" targetName="gslbSite1"/>
  </vnsAbsFolder>
  <vnsAbsFolder key="gslbservice" name="gslbServ2" scopedBy="epg">
    <vnsAbsParam name="servicename" key="servicename"
      value="svc_gslb_sp2013_dc2"/>
    <vnsAbsParam name="ip" key="ip" value="201.16.1.121"/>
    <vnsAbsParam name="servicetype" key="servicetype" value="SSL"/>
    <vnsAbsParam name="port" key="port" value="443"/>
    <vnsAbsCfgRel name="sitename" key="sitename" targetName="gslbSite2"/>
  </vnsAbsFolder>
  <vnsAbsFolder key="gslbsite" name="gslbSite1" scopedBy="epg">
    <vnsAbsParam name="sitename" key="sitename" value="Data_Center_1"/>
    <vnsAbsParam name="siteipaddress" key="siteipaddress"
      value="101.16.1.11"/>
  </vnsAbsFolder>
  <vnsAbsFolder key="gslbsite" name="gslbSite2" scopedBy="epg">
    <vnsAbsParam name="sitename" key="sitename" value="Data_Center_2"/>
    <vnsAbsParam name="siteipaddress" key="siteipaddress"
      value="201.16.1.11"/>
  </vnsAbsFolder>
</vnsAbsDevCfg>
<vnsAbsFuncCfg>
  <vnsAbsFolder key="mFCnggslbsite" name="mFCnggslbsite1" scopedBy="epg">
    <vnsAbsCfgRel name="gslbsite_key" key="gslbsite_key"
      targetName="gslbSite1"/>
  </vnsAbsFolder>
  <vnsAbsFolder key="mFCnggslbsite" name="mFCnggslbsite2" scopedBy="epg">
    <vnsAbsCfgRel name="gslbsite_key" key="gslbsite_key"
      targetName="gslbSite2"/>
  </vnsAbsFolder>
  <vnsAbsFolder key="mFCnggslbvserver" name="gslbvserver1" scopedBy="epg">
    <vnsAbsCfgRel name="gslbvserver_key" key="gslbvserver_key"
      targetName="gslbVs1"/>
    <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
      WebGraph_CS_GSLB_1/AbsNode-GSLB_1/AbsFConn-outside" />
  </vnsAbsFolder>
  <vnsAbsFolder key="mFCnggslbservice" name="gslbservice1" scopedBy="epg">
    <vnsAbsCfgRel name="gslbservice_key" key="gslbservice_key"
      targetName="gslbServ1"/>
    <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
      WebGraph_CS_GSLB_1/AbsNode-GSLB_1/AbsFConn-inside" />
  </vnsAbsFolder>
  <vnsAbsFolder key="mFCnggslbservice" name="gslbservice2" scopedBy="epg">
    <vnsAbsCfgRel name="gslbservice_key" key="gslbservice_key"
      targetName="gslbServ2"/>
    <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
      WebGraph_CS_GSLB_1/AbsNode-GSLB_1/AbsFConn-inside" />
  </vnsAbsFolder>
  <vnsAbsFolder key="external_network" name="external_network"
    scopedBy="epg">
    <vnsAbsCfgRel name="external_network_key" key="external_network_key"
      targetName="network/snip1"/>
    <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
      WebGraph_CS_GSLB_1/AbsNode-GSLB_1/AbsFConn-inside" />
  </vnsAbsFolder>
  <vnsAbsFolder key="internal_network" name="internal_network"
    scopedBy="epg">
    <vnsAbsCfgRel name="internal_network_key" key="internal_network_key"
      targetName="network/snip2"/>
    <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
      WebGraph_CS_GSLB_1/AbsNode-GSLB_1/AbsFConn-outside" />
  </vnsAbsFolder>
</vnsAbsFuncCfg>
</vnsAbsNode>

```

```

<vnsAbsTermNodeCon name = "Output1">
<vnsAbsTermConn name = "C6">
</vnsAbsTermConn>
</vnsAbsTermNodeCon>
<vnsAbsConnection name = "CON1">
  <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
WebGraph_CS_GSLB_1/AbsTermNodeCon-Output1/AbsTConn" />
  <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
WebGraph_CS_GSLB_1/AbsNode-GSLB_1/AbsFConn-outside" />
</vnsAbsConnection>
<vnsAbsConnection name = "CON2">
  <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
WebGraph_CS_GSLB_1/AbsNode-GSLB_1/AbsFConn-inside" />
  <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
WebGraph_CS_GSLB_1/AbsTermNodeProv-Input1/AbsTConn" />
</vnsAbsConnection>
</vnsAbsGraph>
</fvTenant>
</polUni>

```

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### ConfigParameters\_SP\_GSLB\_DynamicProx.xml

Configure L4-L7 parameters for GSLB using distribution by dynamic proximity.

```

<!-- ConfigParameters_SP_GSLB_DynamicProx.xml -->
<!-- Configure L4-L7 parameters for GSLB by Dynamic Proximity -->
<polUni>
  <fvTenant name="silverTenant1"> <!-- GSLB configuration -->
    <vnsAbsGraph name = "WebGraph_CS_GSLB_1">
      <vnsAbsTermNodeProv name = "Input1">
        <vnsAbsTermConn name = "C1">
          </vnsAbsTermConn>
        </vnsAbsTermNodeProv>
        <!-- Config here is for GSLB local node -->
        <vnsAbsNode name = "GSLB_1" funcType="GoTo" >
          <vnsAbsFuncConn name = "outside" attNotify="true">
            <vnsRsMConnAtt tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
GlobalServerLoadBalancing/mConn-external" />
          </vnsAbsFuncConn>
          <vnsAbsFuncConn name = "inside" attNotify="true">
            <vnsRsMConnAtt tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
GlobalServerLoadBalancing/mConn-internal" />
          </vnsAbsFuncConn>
          <vnsRsNodeToMFunc tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
GlobalServerLoadBalancing" />
          <vnsRsDefaultScopeToTerm tDn="uni/tn-silverTenant1/AbsGraph-
WebGraph_CS_GSLB_1/AbsTermNodeProv-Input1/outtmnl" />
          <vnsAbsDevCfg>
            <vnsAbsFolder key="Network" name="network" scopedBy="epg">
              <vnsAbsFolder key="nsip" name="snip1">
                <vnsAbsParam key="ipaddress" name="ip2" value="101.16.1.11"/>
                <vnsAbsParam key="netmask" name="netmask1"
value="255.255.255.0"/>
                <vnsAbsParam key="type" name="tye" value="SNIP"/>
                <vnsAbsParam key="dynamicrouting" name="dynamicrouting"
value="ENABLED"/>
                <vnsAbsParam key="hostroute" name="hostroute" value="DISABLED"/>
              </vnsAbsFolder>
            <vnsAbsFolder key="nsip" name="snip2">
              <vnsAbsParam key="ipaddress" name="ip1" value="10.16.1.11"/>
            </vnsAbsFolder>
          </vnsAbsDevCfg>
        </vnsAbsNode>
      </vnsAbsGraph>
    </fvTenant>
  </polUni>

```

```

    <vnsAbsParam key="netmask" name="netmask2"
      value="255.255.255.0"/>
    <vnsAbsParam key="type" name="tye" value="SNIP"/>
    <vnsAbsParam key="dynamicrouting" name="dynamicrouting"
      value="DISABLED"/>
    <vnsAbsParam key="hostroute" name="hostroute" value="DISABLED"/>
  </vnsAbsFolder>
  </vnsAbsFolder>
  <vnsAbsFolder key="gslbvserver" name="gslbVs1" scopedBy="epg">
    <vnsAbsParam name="name" key="name" value="vip-gslb-sp2013"/>
    <vnsAbsParam name="servicetype" key="servicetype" value="SSL"/>
    <vnsAbsParam name="lbmethod" key="lbmethod" value="RTT"/>
    <vnsAbsFolder key="gslbvserver_gslbservice_binding"
      name="gslbVsServBind1" scopedBy="epg">
      <vnsAbsCfgRel name="servicename" key="servicename"
        targetName="gslbServ1"/>
    </vnsAbsFolder>
    <vnsAbsFolder key="gslbvserver_gslbservice_binding"
      name="gslbVsServBind2" scopedBy="epg">
      <vnsAbsCfgRel name="servicename" key="servicename"
        targetName="gslbServ2"/>
    </vnsAbsFolder>
    <vnsAbsFolder key="gslbvserver_domain_binding"
      name="gslbVsDomainBind1" scopedBy="epg">
      <vnsAbsParam name="domainname" key="domainname"
        value="sp2013.test.ctx"/>
    </vnsAbsFolder>
  </vnsAbsFolder>
  </vnsAbsFolder>

  <vnsAbsFolder key="gslbservice" name="gslbServ1" scopedBy="epg">
    <vnsAbsParam name="servicename" key="servicename"
      value="svc_gslb_sp2013_dc1"/>
    <vnsAbsParam name="ip" key="ip" value="101.16.1.121"/>
    <vnsAbsParam name="servicetype" key="servicetype" value="SSL"/>
    <vnsAbsParam name="port" key="port" value="443"/>
    <vnsAbsCfgRel name="sitename" key="sitename"
      targetName="gslbSite1"/>
  </vnsAbsFolder>

  <vnsAbsFolder key="gslbservice" name="gslbServ2" scopedBy="epg">
    <vnsAbsParam name="servicename" key="servicename"
      value="svc_gslb_sp2013_dc2"/>
    <vnsAbsParam name="ip" key="ip" value="201.16.1.121"/>
    <vnsAbsParam name="servicetype" key="servicetype" value="SSL"/>
    <vnsAbsParam name="port" key="port" value="443"/>
    <vnsAbsCfgRel name="sitename" key="sitename"
      targetName="gslbSite2"/>
  </vnsAbsFolder>
  <vnsAbsFolder key="gslbsite" name="gslbSite1" scopedBy="epg">
    <vnsAbsParam name="sitename" key="sitename"
      value="Data_Center_1"/>
    <vnsAbsParam name="siteipaddress" key="siteipaddress"
      value="101.16.1.11"/>
  </vnsAbsFolder>
  <vnsAbsFolder key="gslbsite" name="gslbSite2" scopedBy="epg">
    <vnsAbsParam name="sitename" key="sitename"
      value="Data_Center_2"/>
    <vnsAbsParam name="siteipaddress" key="siteipaddress"
      value="201.16.1.11"/>
  </vnsAbsFolder>
</vnsAbsDevCfg>
<vnsAbsFuncCfg>
  <vnsAbsFolder key="mFCnggslbsite" name="mFCngslbsite1"
    scopedBy="epg">

```

```

        <vnsAbsCfgRel name="gslbsite_key" key="gslbsite_key"
        targetName="gslbSite1"/>
    </vnsAbsFolder>
    <vnsAbsFolder key="mFCnggslbsite" name="mFCnggslbsite2"
        scopedBy="epg">
        <vnsAbsCfgRel name="gslbsite_key" key="gslbsite_key"
        targetName="gslbSite2"/>
    </vnsAbsFolder>
    <vnsAbsFolder key="mFCnggslbvserver" name="gslbvserver1"
        scopedBy="epg">
    <vnsAbsCfgRel name="gslbvserver_key" key="gslbvserver_key"
        targetName="gslbVs1"/>
    <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
        WebGraph_CS_GSLB_1/AbsNode-GSLB_1/AbsFConn-outside" />
    </vnsAbsFolder>
    <vnsAbsFolder key="mFCnggslbservice" name="gslbservice1"
        scopedBy="epg">
        <vnsAbsCfgRel name="gslbservice_key" key="gslbservice_key"
        targetName="gslbServ1"/>
        <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
            WebGraph_CS_GSLB_1/AbsNode-GSLB_1/AbsFConn-inside" />
    </vnsAbsFolder>
    <vnsAbsFolder key="mFCnggslbservice" name="gslbservice2"
        scopedBy="epg">
        <vnsAbsCfgRel name="gslbservice_key" key="gslbservice_key"
        targetName="gslbServ2"/>
        <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
            WebGraph_CS_GSLB_1/AbsNode-GSLB_1/AbsFConn-inside" />
    </vnsAbsFolder>
    <vnsAbsFolder key="external_network" name="external_network"
        scopedBy="epg">
        <vnsAbsCfgRel name="external_network_key"
            key="external_network_key" targetName="network/snip1"/>
        <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
            WebGraph_CS_GSLB_1/AbsNode-GSLB_1/AbsFConn-inside" />
    </vnsAbsFolder>
    <vnsAbsFolder key="internal_network" name="internal_network"
        scopedBy="epg">
        <vnsAbsCfgRel name="internal_network_key"
            key="internal_network_key" targetName="network/snip2"/>
        <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
            WebGraph_CS_GSLB_1/AbsNode-GSLB_1/AbsFConn-outside" />
    </vnsAbsFolder>
</vnsAbsFuncCfg>
</vnsAbsNode>
<vnsAbsTermNodeCon name = "Output1">
    <vnsAbsTermConn name = "C6">
    </vnsAbsTermConn>
</vnsAbsTermNodeCon>
<vnsAbsConnection name = "CON1">
    <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
        WebGraph_CS_GSLB_1/AbsTermNodeCon-Output1/AbsTConn" />
    <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
        WebGraph_CS_GSLB_1/AbsNode-GSLB_1/AbsFConn-outside" />
</vnsAbsConnection>
<vnsAbsConnection name = "CON2">
    <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
        WebGraph_CS_GSLB_1/AbsNode-GSLB_1/AbsFConn-inside" />
    <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
        WebGraph_CS_GSLB_1/AbsTermNodeProv-Input1/AbsTConn" />
</vnsAbsConnection>
</vnsAbsGraph>
</fvTenant>
</polUni>

```



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Goto [Configurations, page C-1](#).

### ConfigParameters\_SP\_GSLB\_StaticProx.xml

Configure L4-L7 parameters for GSLB using distribution by static proximity.

```
<!-- ConfigParameters_SP_GSLB_StaticProx.xml -->
<!-- Configure L4-L7 parameters for GSLB by Static Proximity -->
<polUni>
  <fvTenant name="silverTenant1"> <!-- GSLB configuration STATICPROXIMITY -->
    <vnsAbsGraph name = "WebGraph_CS_GSLB_1">
      <vnsAbsTermNodeProv name = "Input1">
        <vnsAbsTermConn name = "C1">
          </vnsAbsTermConn>
        </vnsAbsTermNodeProv>
      <!-- Config here is for GSLB local node -->
      <vnsAbsNode name = "GSLB_1" funcType="GoTo" >
        <vnsAbsFuncConn name = "outside" attNotify="true">
          <vnsRsMConnAtt tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
            GlobalServerLoadBalancing/mConn-external" />
        </vnsAbsFuncConn>
        <vnsAbsFuncConn name = "inside" attNotify="true">
          <vnsRsMConnAtt tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
            GlobalServerLoadBalancing/mConn-internal" />
        </vnsAbsFuncConn>
        <vnsRsNodeToMFunc tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
          GlobalServerLoadBalancing" />
        <vnsRsDefaultScopeToTerm tDn="uni/tn-silverTenant1/AbsGraph-
          WebGraph_CS_GSLB_1/AbsTermNodeProv-Input1/outtmml" />
      <vnsAbsDevCfg>
        <vnsAbsFolder key="Network" name="network" scopedBy="epg">
          <vnsAbsFolder key="nsip" name="snip1">
            <vnsAbsParam key="ipaddress" name="ip2" value="101.16.1.11" />
            <vnsAbsParam key="netmask" name="netmask1"
              value="255.255.255.0" />
            <vnsAbsParam key="type" name="tye" value="SNIP" />
            <vnsAbsParam key="dynamicrouting" name="dynamicrouting"
              value="ENABLED" />
            <vnsAbsParam key="hostroute" name="hostroute" value="DISABLED" />
          </vnsAbsFolder>
          <vnsAbsFolder key="nsip" name="snip2">
            <vnsAbsParam key="ipaddress" name="ip1" value="10.16.1.11" />
            <vnsAbsParam key="netmask" name="netmask2"
              value="255.255.255.0" />
            <vnsAbsParam key="type" name="tye" value="SNIP" />
            <vnsAbsParam key="dynamicrouting" name="dynamicrouting"
              value="DISABLED" />
            <vnsAbsParam key="hostroute" name="hostroute" value="DISABLED" />
          </vnsAbsFolder>
        </vnsAbsFolder>
        <vnsAbsFolder key="gslbvserver" name="gslbVs1" scopedBy="epg">
          <vnsAbsParam name="name" key="name" value="vip-gslb-sp2013" />
          <vnsAbsParam name="servicetype" key="servicetype" value="SSL" />
          <vnsAbsParam name="lbmethod" key="lbmethod"
            value="STATICPROXIMITY" />
          <vnsAbsFolder key="gslbvserver_gslbservice_binding"
            name="gslbVsServBind1" scopedBy="epg">
            <vnsAbsCfgRel name="servicename" key="servicename"
              targetName="gslbServ1" />
          </vnsAbsFolder>
      </vnsAbsDevCfg>
    </vnsAbsNode>
  </vnsAbsGraph>
</fvTenant>
</polUni>
```

```

    <vnsAbsFolder key="gslbvserver_gslbservice_binding"
      name="gslbVsServBind2" scopedBy="epg">
      <vnsAbsCfgRel name="servicename" key="servicename"
        targetName="gslbServ2" />
    </vnsAbsFolder>
  <vnsAbsFolder key="gslbvserver_domain_binding"
    name="gslbVsDomainBind1" scopedBy="epg">
    <vnsAbsParam name="domainname" key="domainname"
      value="sp2013.test.ctx" />
  </vnsAbsFolder>
</vnsAbsFolder>
<vnsAbsFolder key="gslbservice" name="gslbServ1" scopedBy="epg">
  <vnsAbsParam name="servicename" key="servicename"
    value="svc_gslb_sp2013_dc1" />
  <vnsAbsParam name="ip" key="ip" value="101.16.1.121" />
  <vnsAbsParam name="servicetype" key="servicetype" value="SSL" />
  <vnsAbsParam name="port" key="port" value="443" />
  <vnsAbsCfgRel name="sitename" key="sitename"
    targetName="gslbSite1" />
</vnsAbsFolder>
<vnsAbsFolder key="gslbservice" name="gslbServ2" scopedBy="epg">
  <vnsAbsParam name="servicename" key="servicename"
    value="svc_gslb_sp2013_dc2" />
  <vnsAbsParam name="ip" key="ip" value="201.16.1.121" />
  <vnsAbsParam name="servicetype" key="servicetype" value="SSL" />
  <vnsAbsParam name="port" key="port" value="443" />
  <vnsAbsCfgRel name="sitename" key="sitename"
    targetName="gslbSite2" />
</vnsAbsFolder>
<vnsAbsFolder key="gslbsite" name="gslbSite1" scopedBy="epg">
  <vnsAbsParam name="sitename" key="sitename" value="Data_Center_1" />
  <vnsAbsParam name="siteipaddress" key="siteipaddress"
    value="101.16.1.11" />
</vnsAbsFolder>
<vnsAbsFolder key="gslbsite" name="gslbSite2" scopedBy="epg">
  <vnsAbsParam name="sitename" key="sitename" value="Data_Center_2" />
  <vnsAbsParam name="siteipaddress" key="siteipaddress"
    value="201.16.1.11" />
</vnsAbsFolder>
<vnsAbsFolder key="location" name="locat1" scopedBy="epg">
  <vnsAbsParam name="ipfrom" key="ipfrom" value="91.1.1.1" />
  <vnsAbsParam name="ipto" key="ipto" value="91.1.1.255" />
<vnsAbsParam name="preferredlocation" key="preferredlocation"
  value="DC1" />
</vnsAbsFolder>
  <vnsAbsFolder key="location" name="locat2" scopedBy="epg">
  <vnsAbsParam name="ipfrom" key="ipfrom" value="101.16.1.121" />
  <vnsAbsParam name="ipto" key="ipto" value="101.16.1.121" />
  <vnsAbsParam name="preferredlocation" key="preferredlocation"
    value="DC1" />
</vnsAbsFolder>
  <vnsAbsFolder key="location" name="locat3" scopedBy="epg">
  <vnsAbsParam name="ipfrom" key="ipfrom" value="102.16.1.121" />
  <vnsAbsParam name="ipto" key="ipto" value="102.16.1.121" />
  <vnsAbsParam name="preferredlocation" key="preferredlocation"
    value="DC1" />
</vnsAbsFolder>
  <vnsAbsFolder key="location" name="locat4" scopedBy="epg">
  <vnsAbsParam name="ipfrom" key="ipfrom" value="92.1.1.1" />
  <vnsAbsParam name="ipto" key="ipto" value="92.1.1.255" />
  <vnsAbsParam name="preferredlocation" key="preferredlocation"
    value="DC2" />
</vnsAbsFolder>
  <vnsAbsFolder key="location" name="locat5" scopedBy="epg">

```

```

        <vnsAbsParam name="ipfrom" key="ipfrom" value="201.16.1.121"/>
        <vnsAbsParam name="ipto" key="ipto" value="201.16.1.121"/>
        <vnsAbsParam name="preferredlocation" key="preferredlocation"
            value="DC2" />
    </vnsAbsFolder>
    <vnsAbsFolder key="location" name="locat6" scopedBy="epg">
        <vnsAbsParam name="ipfrom" key="ipfrom" value="202.16.1.121"/>
        <vnsAbsParam name="ipto" key="ipto" value="202.16.1.121"/>
        <vnsAbsParam name="preferredlocation" key="preferredlocation"
            value="DC2" />
    </vnsAbsFolder>
</vnsAbsDevCfg>
<vnsAbsFuncCfg>
    <vnsAbsFolder key="mFCnggslbsite" name="mFCnggslbsite1" scopedBy="epg">
        <vnsAbsCfgRel name="gslbsite_key" key="gslbsite_key"
            targetName="gslbSite1" />
    </vnsAbsFolder>
    <vnsAbsFolder key="mFCnggslbsite" name="mFCnggslbsite2" scopedBy="epg">
        <vnsAbsCfgRel name="gslbsite_key" key="gslbsite_key"
            targetName="gslbSite2" />
    </vnsAbsFolder>
    <vnsAbsFolder key="mFCnggslbvserver" name="gslbvserver1" scopedBy="epg">
        <vnsAbsCfgRel name="gslbvserver_key" key="gslbvserver_key"
            targetName="gslbVs1" />
        <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
            WebGraph_CS_GSLB_1/AbsNode-GSLB_1/AbsFConn-outside" />
    </vnsAbsFolder>
    <vnsAbsFolder key="mFCnggslbservice" name="gslbservice1" scopedBy="epg">
        <vnsAbsCfgRel name="gslbservice_key" key="gslbservice_key"
            targetName="gslbServ1" />
        <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
            WebGraph_CS_GSLB_1/AbsNode-GSLB_1/AbsFConn-inside" />
    </vnsAbsFolder>
    <vnsAbsFolder key="mFCnggslbservice" name="gslbservice2" scopedBy="epg">
        <vnsAbsCfgRel name="gslbservice_key" key="gslbservice_key"
            targetName="gslbServ2" />
        <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
            WebGraph_CS_GSLB_1/AbsNode-GSLB_1/AbsFConn-inside" />
    </vnsAbsFolder>
    <vnsAbsFolder key="mFCnglocation" name="LOC1" scopedBy="epg">
        <vnsAbsCfgRel name="location_key" key="location_key"
            targetName="locat1" />
    </vnsAbsFolder>
    <vnsAbsFolder key="mFCnglocation" name="LOC2" scopedBy="epg">
        <vnsAbsCfgRel name="location_key" key="location_key"
            targetName="locat2" />
    </vnsAbsFolder>
    <vnsAbsFolder key="mFCnglocation" name="LOC3" scopedBy="epg">
        <vnsAbsCfgRel name="location_key" key="location_key"
            targetName="locat3" />
    </vnsAbsFolder>
    <vnsAbsFolder key="mFCnglocation" name="LOC4" scopedBy="epg">
        <vnsAbsCfgRel name="location_key" key="location_key"
            targetName="locat4" />
    </vnsAbsFolder>
    <vnsAbsFolder key="mFCnglocation" name="LOC5" scopedBy="epg">
        <vnsAbsCfgRel name="location_key" key="location_key"
            targetName="locat5" />
    </vnsAbsFolder>
    <vnsAbsFolder key="external_network" name="external_network"
        scopedBy="epg">
        <vnsAbsCfgRel name="external_network_key" key="external_network_key"
            targetName="network/snip1" />
    </vnsAbsFolder>

```

```

        <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
          WebGraph_CS_GSLB_1/AbsNode-GSLB_1/AbsFConn-inside" />
    </vnsAbsFolder>
    <vnsAbsFolder key="internal_network" name="internal_network"
      scopedBy="epg">
      <vnsAbsCfgRel name="internal_network_key" key="internal_network_key"
        targetName="network/snip2" />
      <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
        WebGraph_CS_GSLB_1/AbsNode-GSLB_1/AbsFConn-outside" />
    </vnsAbsFolder>
  </vnsAbsFuncCfg>
</vnsAbsNode>
<vnsAbsTermNodeCon name = "Output1">
  <vnsAbsTermConn name = "C6">
    </vnsAbsTermConn>
  </vnsAbsTermNodeCon>
<vnsAbsConnection name = "CON1">
  <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
    WebGraph_CS_GSLB_1/AbsTermNodeCon-Output1/AbsTConn" />
  <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
    WebGraph_CS_GSLB_1/AbsNode-GSLB_1/AbsFConn-outside" />
</vnsAbsConnection>
<vnsAbsConnection name = "CON2">
  <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
    WebGraph_CS_GSLB_1/AbsNode-GSLB_1/AbsFConn-inside" />
  <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
    WebGraph_CS_GSLB_1/AbsTermNodeProv-Input1/AbsTConn" />
</vnsAbsConnection>
</vnsAbsGraph>
</fvTenant>
</polUni>

```

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### ConfigParameters\_SP\_GSLB\_LeastConn.xml

Configure L4-L7 parameters for GSLB using distribution by least connection.

```

<!-- ConfigParameters_SP_GSLB_LeastConn.xml -->
<!-- Configure L4-L7 parameters for GSLB by Least Connection -->
<polUni>
  <fvTenant name="silverTenant1"> <!-- GSLB config LEASTCONNECTION -->
    <vnsAbsGraph name = "WebGraph_CS_GSLB_1">
      <vnsAbsTermNodeProv name = "Input1">
        <vnsAbsTermConn name = "C1">
          </vnsAbsTermConn>
        </vnsAbsTermNodeProv>
      <!-- Config here is for GSLB local node -->
      <vnsAbsNode name = "GSLB_1" funcType="GoTo" >
        <vnsAbsFuncConn name = "outside" attNotify="true">
          <vnsRsMConnAtt tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
            GlobalServerLoadBalancing/mConn-external" />
        </vnsAbsFuncConn>
        <vnsAbsFuncConn name = "inside" attNotify="true">
          <vnsRsMConnAtt tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
            GlobalServerLoadBalancing/mConn-internal" />
        </vnsAbsFuncConn>
        <vnsRsNodeToMFunc tDn="uni/infra/mDev-Citrix-NetScaler-1.0/mFunc-
          GlobalServerLoadBalancing" />
      <vnsRsDefaultScopeToTerm tDn="uni/tn-silverTenant1/AbsGraph-
        WebGraph_CS_GSLB_1/AbsTermNodeProv-Input1/outtml" />
    </vnsAbsDevCfg>
  </fvTenant>
</polUni>

```

```

<vnsAbsFolder key="Network" name="network" scopedBy="epg">
  <vnsAbsFolder key="nsip" name="snip1">
    <vnsAbsParam key="ipaddress" name="ip2" value="101.16.1.11"/>
    <vnsAbsParam key="netmask" name="netmask1" value="255.255.255.0"/>
    <vnsAbsParam key="type" name="tye" value="SNIP"/>
    <vnsAbsParam key="dynamicrouting" name="dynamicrouting"
      value="ENABLED"/>
    <vnsAbsParam key="hostroute" name="hostroute" value="DISABLED"/>
  </vnsAbsFolder>
  <vnsAbsFolder key="nsip" name="snip2">
    <vnsAbsParam key="ipaddress" name="ip1" value="10.16.1.11"/>
    <vnsAbsParam key="netmask" name="netmask2" value="255.255.255.0"/>
    <vnsAbsParam key="type" name="tye" value="SNIP"/>
    <vnsAbsParam key="dynamicrouting" name="dynamicrouting"
      value="DISABLED"/>
    <vnsAbsParam key="hostroute" name="hostroute" value="DISABLED"/>
  </vnsAbsFolder>
</vnsAbsFolder>
<vnsAbsFolder key="gslbvserver" name="gslbVs1" scopedBy="epg">
  <vnsAbsParam name="name" key="name" value="vip-gslb-sp2013"/>
  <vnsAbsParam name="servicetype" key="servicetype" value="SSL"/>
  <vnsAbsParam name="lbmethod" key="lbmethod" value="LEASTCONNECTION"/>
  <vnsAbsFolder key="gslbvserver_gslbservice_binding"
    name="gslbVsServBind1" scopedBy="epg">
    <vnsAbsCfgRel name="servicename" key="servicename"
      targetName="gslbServ1"/>
  </vnsAbsFolder>
  <vnsAbsFolder key="gslbvserver_gslbservice_binding"
    name="gslbVsServBind2" scopedBy="epg">
    <vnsAbsCfgRel name="servicename" key="servicename"
      targetName="gslbServ2"/>
  </vnsAbsFolder>
  <vnsAbsFolder key="gslbvserver_domain_binding" name="gslbVsDomainBind1"
    scopedBy="epg">
    <vnsAbsParam name="domainname" key="domainname"
      value="sp2013.test.ctx"/>
  </vnsAbsFolder>
</vnsAbsFolder>
<vnsAbsFolder key="gslbservice" name="gslbServ1" scopedBy="epg">
  <vnsAbsParam name="servicename" key="servicename"
    value="svc_gslb_sp2013_dc1"/>
  <vnsAbsParam name="ip" key="ip" value="101.16.1.121"/>
  <vnsAbsParam name="servicetype" key="servicetype" value="SSL"/>
  <vnsAbsParam name="port" key="port" value="443"/>
  <vnsAbsCfgRel name="sitename" key="sitename" targetName="gslbSite1"/>
</vnsAbsFolder>
<vnsAbsFolder key="gslbservice" name="gslbServ2" scopedBy="epg">
  <vnsAbsParam name="servicename" key="servicename"
    value="svc_gslb_sp2013_dc2"/>
  <vnsAbsParam name="ip" key="ip" value="201.16.1.121"/>
  <vnsAbsParam name="servicetype" key="servicetype" value="SSL"/>
  <vnsAbsParam name="port" key="port" value="443"/>
  <vnsAbsCfgRel name="sitename" key="sitename" targetName="gslbSite2"/>
</vnsAbsFolder>
<vnsAbsFolder key="gslbsite" name="gslbSite1" scopedBy="epg">
  <vnsAbsParam name="sitename" key="sitename" value="Data_Center_1"/>
  <vnsAbsParam name="siteipaddress" key="siteipaddress"
    value="101.16.1.11"/>
</vnsAbsFolder>
<vnsAbsFolder key="gslbsite" name="gslbSite2" scopedBy="epg">
  <vnsAbsParam name="sitename" key="sitename" value="Data_Center_2"/>
  <vnsAbsParam name="siteipaddress" key="siteipaddress"
    value="201.16.1.11"/>
</vnsAbsFolder>

```

```

</vnsAbsDevCfg>
<vnsAbsFuncCfg>
  <vnsAbsFolder key="mFCnggslbsite" name="mFCnggslbsite1" scopedBy="epg">
    <vnsAbsCfgRel name="gslbsite_key" key="gslbsite_key"
      targetName="gslbSite1" />
  </vnsAbsFolder>
  <vnsAbsFolder key="mFCnggslbsite" name="mFCnggslbsite2" scopedBy="epg">
    <vnsAbsCfgRel name="gslbsite_key" key="gslbsite_key"
      targetName="gslbSite2" />
  </vnsAbsFolder>
  <vnsAbsFolder key="mFCnggslbvserver" name="gslbvserver1" scopedBy="epg">
    <vnsAbsCfgRel name="gslbvserver_key" key="gslbvserver_key"
      targetName="gslbVs1" />
    <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
      WebGraph_CS_GSLB_1/AbsNode-GSLB_1/AbsFConn-outside" />
  </vnsAbsFolder>
  <vnsAbsFolder key="mFCnggslbservice" name="gslbservice1" scopedBy="epg">
    <vnsAbsCfgRel name="gslbservice_key" key="gslbservice_key"
      targetName="gslbServ1" />
    <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
      WebGraph_CS_GSLB_1/AbsNode-GSLB_1/AbsFConn-inside" />
  </vnsAbsFolder>
  <vnsAbsFolder key="mFCnggslbservice" name="gslbservice2" scopedBy="epg">
    <vnsAbsCfgRel name="gslbservice_key" key="gslbservice_key"
      targetName="gslbServ2" />
    <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
      WebGraph_CS_GSLB_1/AbsNode-GSLB_1/AbsFConn-inside" />
  </vnsAbsFolder>
  <vnsAbsFolder key="external_network" name="external_network"
    scopedBy="epg">
    <vnsAbsCfgRel name="external_network_key" key="external_network_key"
      targetName="network/snip1" />
    <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
      WebGraph_CS_GSLB_1/AbsNode-GSLB_1/AbsFConn-inside" />
  </vnsAbsFolder>
  <vnsAbsFolder key="internal_network" name="internal_network"
    scopedBy="epg">
    <vnsAbsCfgRel name="internal_network_key" key="internal_network_key"
      targetName="network/snip2" />
    <vnsRsCfgToConn tDn="uni/tn-silverTenant1/AbsGraph-
      WebGraph_CS_GSLB_1/AbsNode-GSLB_1/AbsFConn-outside" />
  </vnsAbsFolder>
</vnsAbsFuncCfg>
</vnsAbsNode>
<vnsAbsTermNodeCon name = "Output1">
  <vnsAbsTermConn name = "C6">
  </vnsAbsTermConn>
</vnsAbsTermNodeCon>
<vnsAbsConnection name = "CON1">
  <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
    WebGraph_CS_GSLB_1/AbsTermNodeCon-Output1/AbsTConn" />
  <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
    WebGraph_CS_GSLB_1/AbsNode-GSLB_1/AbsFConn-outside" />
</vnsAbsConnection>
<vnsAbsConnection name = "CON2">
  <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
    WebGraph_CS_GSLB_1/AbsNode-GSLB_1/AbsFConn-inside" />
  <vnsRsAbsConnectionConns tDn="uni/tn-silverTenant1/AbsGraph-
    WebGraph_CS_GSLB_1/AbsTermNodeProv-Input1/AbsTConn" />
</vnsAbsConnection>
</vnsAbsGraph>
</fvTenant>
</polUni>

```

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