

# Leverage Discovery

## Package: F5 BigIP

This package uses SSH to discover F5 BigIP.

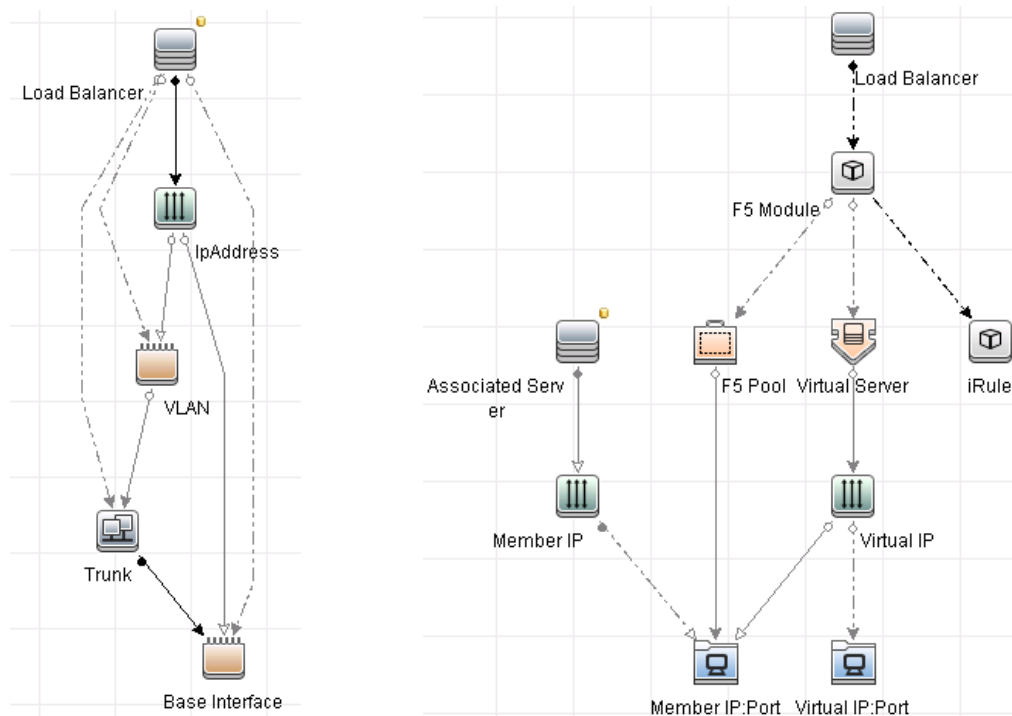
I created this package after finding a gap at the end of 2010, when different Load Balancer devices stopped returning the data necessary via SNMP to map through the device. After some research in the market space, I learned that standard Load Balancing was evolving into something more integrated and complex; these devices were starting to be called “Application Delivery Controllers”.

F5 devices (v9) stopped returning the virtual server to non-default pool relations, and then (v10) they stopped returning iRule definitions. The content was no longer extended through SNMP even though it was still represented in the MIB.

This DDM package uses SSH to log into the TMSH shell on F5 v10. It starts by discovering the existence of F5 devices, then follows the Spiral Discovery process to find version details, IPs, interfaces, VLANs, trunks, hardware details, pools, members, virtual servers, and iRules. It parses content to map traffic through virtual servers to the member context (TCP IP:port service address). You do not get this mapping OOB.

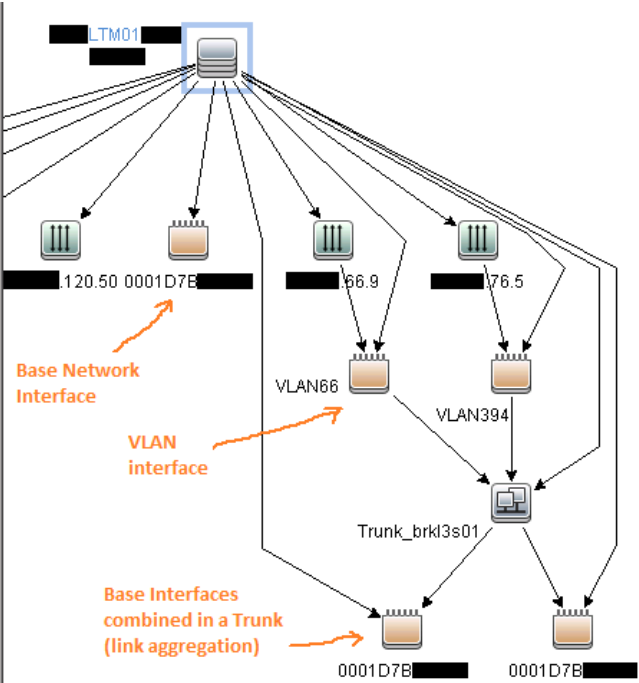
CI Model:

The following TQLs represent the F5 Big-IP layout. The one on the left is populated by the Connection job, and the one on the right is populated by the LTM job:

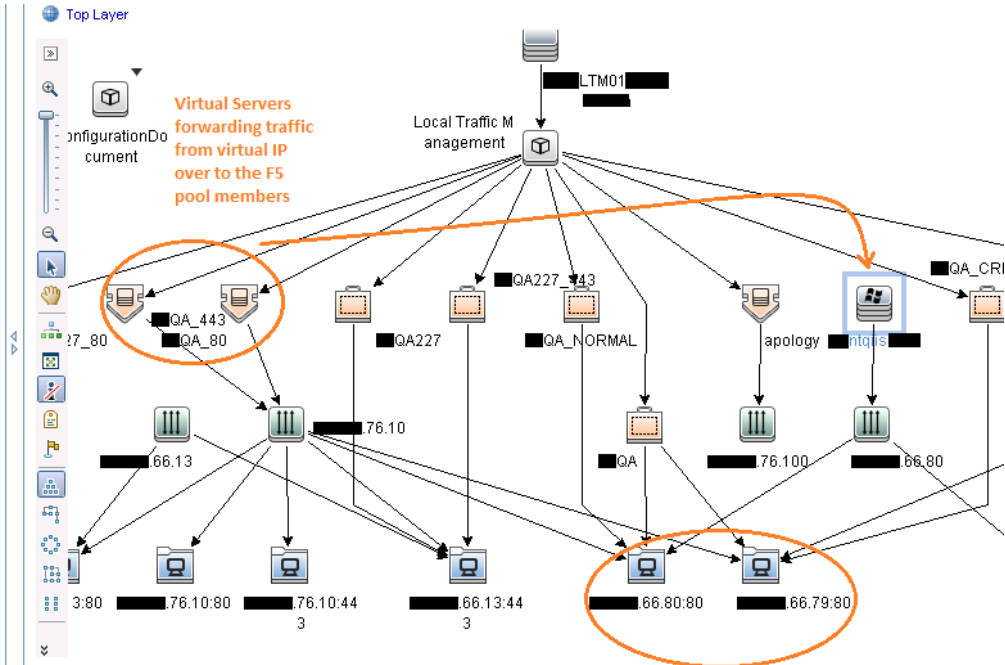


Sample results from running this package. The first snapshot shows results from the Connection job, and the second from LTM mapping:

DiscoveredModel	C102
DiscoveredOsName	BIG-IP 1600
DiscoveredOsVendor	F5
DiscoveredOsVersion	10.1.0
DiscoveredVendor	
Display Label	LTM01
DomainName	
Enable Aging	True
Global Id	71022bab97b7ab0ddb3d6bc61514...
Host Boot Time	
Host Is Complete	False
Host Is Desktop	
Host Is Route	
Host Is Virtual	
Host Key	.120.50 DefaultDomain
Host NNM UID	
Host Operating System accuracy	
Host Operating System Installation...	Linux
Host Operating System Release	2.6.18-164.2.1.el5.1.0.f5app
Host Server Type	
Is Candidate For Deletion	False
Last Access Time	Mon Apr 11 2011 10:11 PM EDT
LastModifiedTime	Sun Apr 10 2011 01:01 AM EDT
layer	infrastructure



- 66.13
- 66.13:443
- 66.13:80
- 66.79
- 66.79:443
- 66.79:80
- 66.80
- 66.80:443
- 66.80:80
- 76.10
- 76.100
- 76.10:443
- 76.10:80
- apology
- LTM01
- ntqis
- ntqis
- ConfigurationDocument
  - \_sys\_auth\_krbdelegate
  - \_sys\_auth\_ssl\_cc\_idap
  - \_sys\_https\_redirect
  - apology
  - QA3
- Local Traffic Management
  - QA
  - QA227
  - QA227\_443
  - QA227\_80
  - QA\_443
  - QA\_443
  - QA\_80
  - QA\_CRITICAL



Support matrix:

F5 version	model	DDM 9.02	DDM 9.04
10.1	C102	✓	✓

For more information please contact Leverage Discovery:

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