

Crossroads   
Release Notes

Release 6.28.10 [PR\_3629]

Revision 1.0

10/12/2014

**Code Release Checklist**

Product/Application/Service: Crossroads

Release Notes: \_\_X\_\_

Build Kit Identification: \_Crossroads6.28.10 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Directory/Table changes required: None

Scheduled Release Date: 10/12/2014

OS release is being tested with: Linux

OS patch version level \_RHEL5.6 2.6.18-238.5.1.el5

Third party software version:

System Test: Development:

Iplanet Web Server 7 SP6 Iplanet Web Server 7 SP6

Iplanet Directory Server 5.2 Iplanet Directory Server 5 SP2

Proxy Server: OHS 11.1.1.7/ Proxy Server: OHS 11.1.1.5/

Apache 2.2.15 Apache 2.2.15

Java JDK 1.6.0\_24 Java JDK 1.6.0\_24

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Tested

Browser levels \_\_\_\_\_ IE 8.0 \_\_\_\_\_

Testing Completed By: \_Centralized Test –

Comments: Please list any dependencies that this release may have in relation to other aapplication(s) releases.

VisProactive Diameter :

**Revision History**

|  |  |  |
| --- | --- | --- |
| **Revision Number** | **Date** | **Reason** |
| 1.0 | 08/10/2014 | Initial Release |

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# Release Overview

## Overview

This release includes the following:

## VisProactive Diameter [PR\_3629]

**The VisProactive Diameter functional design document explains all the functionalities.**

**Here is the Design document link:**

[http://central.syniverse.com/sites/TECH/arch/Crossroads/Release%20Documentation/Crossroads%20Design[VisProactive%20Diameter].docx](http://central.syniverse.com/sites/TECH/arch/Crossroads/Release%20Documentation/Crossroads%20Design%5bVisProactive%20Diameter%5d.docx)

**Note: Please check the Section 3.3 MONITORING/VERIFICATION PROCEDURES for more description and screen-shots.**

Risks

## Customer Impact

None

## Processor Impact

Negligible

## Data Impact

None

## Interfacing or Related System Impact

VisProactive Diameter :

The permissions will be available if the Crossroads release is installed. But the menu links will not work until VisPro Diamter is installed.

## Network Impact

None

## Data Center Impact

No additional impact.

# Changes

## Tables/Files

No changes.

## Job Processing

No changes.

# Implementation Tasks

This section describes in detail the steps that need to be performed to install this software release. Each step should be completed and verified before proceeding to the next step. Any queries should be directed to the development team.

## Release Procedures

#### Pre-Release Requirements

##### DNS Requests

##### Request the following DNS entries as CNAMEs to crossroads.syniverse.com:

* vispro.syniverse.com [PROD]

**Functional User ID**

##### A functional user ID will need to be created for the VisProactive Diameter, which will be used to access the Web Service and the OID authenticator.

#### Crossroads – Director

|  |  |
| --- | --- |
|  | **Software Install** |
| Note: | Crossroads release can be installed first, but the VisProactive Diameter related perms will not be available until VisProactive Diameter release is installed. |
| Step 1 | **Create vispro.sp file if it doesn’t exists:**  **<VirtualHost \*:7777>**  **ServerName vispro.syniverse.com**  **<Location />**  **order allow,deny**  **deny from all**  **</Location>**  **<Location /ng-diameter>**  **order deny,allow**  **allow from all**  **SetHandler weblogic-handler**  **WebLogicCluster HOST:PORT,HOST:PORT… Check with VisPro Ops for the specific hosts and ports in the cluster.**  **</Location>**  **</VirtualHost>**  **Note: If vispro is NOT on clustered mode then use WebLogicHost & WebLogicPort instead of WebLogicCluster parameters.** |
| Step 2 | **Restart Webtier servers in active environment**  (chixroads0103 & chixroads0104)    A) On chixroads0103 do the following:    1) Stop OHS instance    ohsbin  ./opmnctl stopall   2) Review the ohslog    (Note: may see complaints about threads not stopping)  ohslogs1  tail -f ohs1.log  ctrl-c    ohslogs2  tail -f ohs2.log  ctrl-c    3) Look for any httpd.worker processes and opmn processes (kill any processes that are still running)    ps -ef | egrep 'httpd.worker|opmn' | grep '^xroads'    4) get the sum for httpd.conf and any other vhost files, to compare with chixroads0104 after copy  ohsconfig1  cd vhosts  <create **vispro.sp** file>  Copy the .sp files if it is already created instead of creating them.  sum vispro.sp  ohsconfig2  cd vhosts  <create **vispro.sp** file>  Copy these.sp files if they are already created instead of creating them.  sum vispro.sp     ohsbin  ./opmnctl startall  opmn-stat    5) Verify there aren't any errors on ohs\*.log files    ohslogs1  tail -f ohs1.log  ctrl-c    ohslogs2  tail -f ohs2.log  ctrl-c    6) Verify that you see activity in the access logs before stopping other proxy server    ohslogs1  tail -f access\_log    ohslogs2  tail -f access\_log    7) Execute ohsconfig1 to put you in the proper directory    ohsconfig1  cd vhosts   8) Copy the httpd.conf **(OR new .sp file)** file from chixroads0103 to chixroads0104    scp **vispro.sp** [xroads@chixroads0104:/thirdparty/Oracle/Middleware/Oracle\_WT1/instances/instance1/config/OHS/ohs1/vhosts/**vispro.sp**](mailto:xroads@chixroads0104:/thirdparty/Oracle/Middleware/Oracle_WT1/instances/instance1/config/OHS/ohs1/vhosts/cspasia.sp)    ohsconfig2  cd vhosts    scp **vispro.sp** [xroads@chixroads0104:/thirdparty/Oracle/Middleware/Oracle\_WT1/instances/instance1/config/OHS/ohs2/vhosts/**vispro.sp**](mailto:xroads@chixroads0104:/thirdparty/Oracle/Middleware/Oracle_WT1/instances/instance1/config/OHS/ohs2/vhosts/cspasia.sp)  B) Go to server chixroads0104 and do the following:    1) Stop OHS instances    ohsbin  ./opmnctl stopall    2) Review the ohslog    (Note: may see complaints about threads not stopping)  ohslogs1  tail -f ohs1.log  ctrl-c    ohslogs2  tail -f ohs2.log  ctrl-c    3) Look for any httpd.worker processes and opmn processes (kill any processes that are still running)    ps -ef | egrep 'httpd.worker|opmn' | grep '^xroads'    4) compare to chixroads0103 (see prevous section for comparison)  ohsconfig1  cd vhosts  **sum vispro.sp**  ohsconfig2  cd vhosts  **sum vispro.sp**  ohsbin  ./opmnctl startall    opmn-stat  opmn-stat2  5) Verify there aren't any errors on ohs1.log    ohslogs1  tail -f ohs1.log  ctrl-c    ohslogs2  tail -f ohs2.log  ctrl-c  6) Verify that you see activity in the access log    ohslogs1  tail -f access\_log    ohslogs2  tail -f access\_log |
| Step 3 | Transfer the tar file from hwcmb01:  /ccm\_builds/crossroads/release\_output6.28.10/2014MMDD/*CrossRoads6.28.10.2014MMDD.tar*  to the application tier servers.  The exact file name will be provided in the signoff email.  **Production steps:**  **As your own ID:**  # cd /tmp  # scp hwcmb01:/ccm\_builds/crossroads/release\_output6.28.10/2014MMDD/CrossRoads6.28.10.2014MMDD.tar .  # ssh hwcmb01 cksum /ccm\_builds/crossroads/release\_output6.28.10/2014MMDD/CrossRoads6.28.10.2014MMDD.tar  # chmod 777 CrossRoads6.28.10.2014MMDD.tar  **sudo to xroads**  # sudo su - xroads  **Move the release tar to /share1/xroads/releases:**  # cd /share1/xroads/releases  # mv /tmp/CrossRoads6.28.10.2014MMDD.tar .  # cksum CrossRoads6.28.10.2014MMDD.tar  **Ensure the cksum's match.** |
| Step 4 | From the /crossroads directory, extract the contents of the tar file from the Crossroads 6.28.10 build.  tar -xvmf CrossRoads6.28.10.2014MMDD.tar  **Production steps:**  # cd /crossroads  # cp /share1/xroads/releases/CrossRoads6.28.10.2014MMDD.tar .  # tar -xvmf CrossRoads6.28.10.2014MMDD.tar ./cgi-bin/GenerateLDIF |
|  | **LDAP Scripts** |
| Step 1 | Execute the following command from the /crossroads/cgi-bin directory:    ./GenerateLDIF VisProactive\_Diameter |
|  | **Import LDIF files into LDAP Directory** |
| Step 1 | **Production:** FTP the ldif files from the previous step to the LDAP Directory server - chi-odsee-vm01. |
| Step 2 | Change to the following directory (on the LDAP directory server for Production):  **Production:**  **/**crossroads/ODSEE/cgi-bin  **System Test:** /crossroads/cgi-bin |
| Step 3 | Execute the following command from the cgi-bin directory above (Step 2):  ./addLDIF VisProactive\_Diameter.ldif –e VisProactive\_Diameter.rejects |
| Step 4 | Examine these rejects file for any errors.  VisProactive\_Diameter.rejects  Contact development if errors occur. |
|  | **- Execute SQL commands** |
| Step 1 | From the /crossroads/cgi-bin directory on the crossroads app tier server,  Execute this command  **source setClassPath.sh**  Now execute the following commands:  ./runSqlRunner.sh ./VisProactive\_Diameter.sql  The .err and .status files should be checked for successful completion.  The .out file contains the details of what was executed and can be used to troubleshoot issues if needed. |
|  |  |
|  | **Grant Permissions** |
|  | No grant permissions. Nothing to do in this step |
|  | **Restart Web Servers** |
| Step 1 | **System Test:** Restart the web servers on xroads-oamt1 and xroads-oamt2.  **Production:**  **Restart the web servers on ( chixroads0105 chixroads0106 chixroads0107 chixroads0108 dalxroads0107 dalxroads0108 dalxroads0109 dalxroads0110 ):**  # cd /crossroads/SUN7u6/https-crossroads  # ./bin/stopserv  # ps -ef | grep 'webservd.\*https-crossroads'  **Ensure that there are not any "webservd.\*https-crossroads" processes running. if there are, gently kill them. Then start the web servers up:**  # ./bin/startserv |
|  |  |

## Backout Procedure

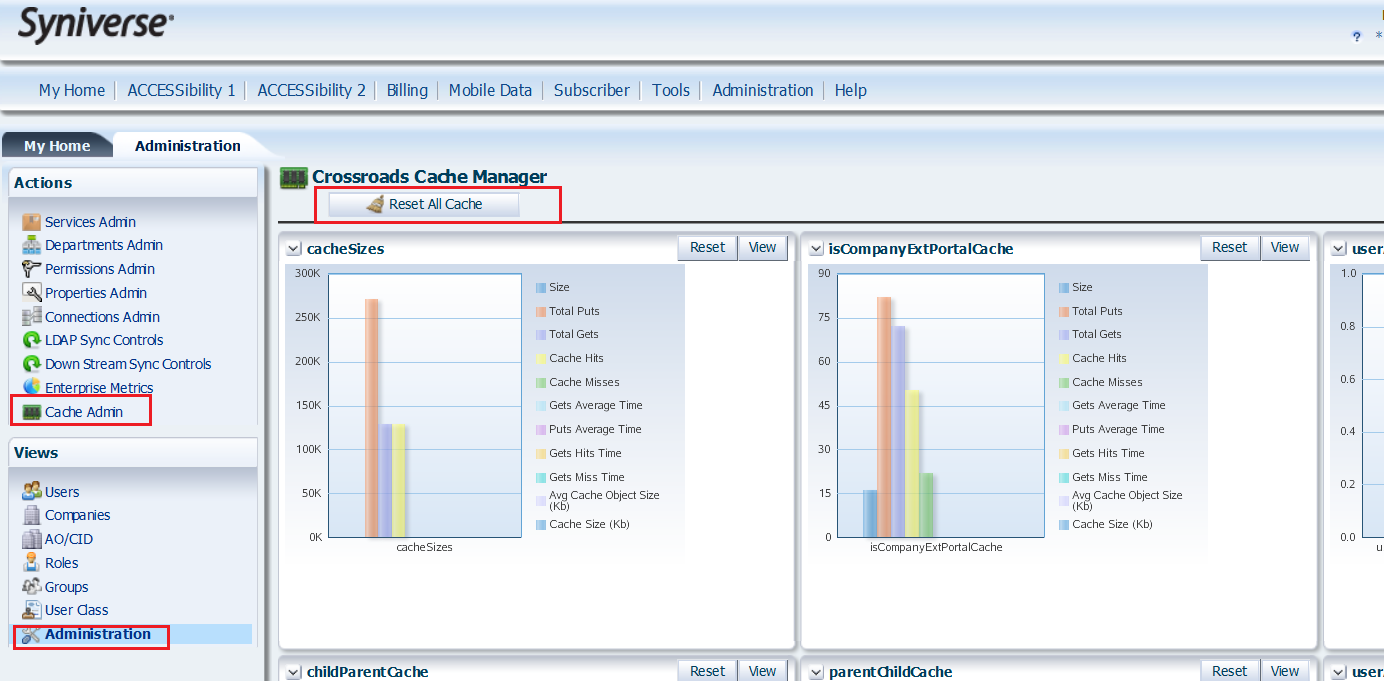
To completely backout this release, perform the following:

* Execute **./VisProactive\_Diameter.backout** from the cgi-bin directory
* Execute **./runSqlRunner.sh VisProactive\_Diameter.backout.sql**
* Rename vispro.sp to vispro.sp.bak (or remove vispro.sp) and restart the proxy servers
* Restart the Crossroads Web Servers on each App Tier Server

# Steps for 7.xx System Test, UAT & Parallel Environments

|  |  |
| --- | --- |
|  |  |
|  | **LDAP Scripts** |
| Step 1 | Execute the following command from the /crossroads/cgi-bin directory:  ./GenerateLDIF VisProactive\_Diameter |
|  | **Import LDIF files into LDAP Directory** |
| Step 1 | Change to the following directory  **System Test:** /crossroads/cgi-bin |
| Step 2 | Execute the following command from the cgi-bin directory above (Step 2):  ./addLDIF VisProactive\_Diameter.ldif -e A2P.rejects |
| Step 3 | Examine these rejects file for any errors.  VisProactive\_Diameter.rejects  Contact development if errors occur. |
|  | **- Execute SQL commands** |
| Step 1 | From the /crossroads/cgi-bin directory on the crossroads app tier server,  Execute this command  **source setClassPath.sh**  Now execute the following commands:  ./runSqlRunner.sh ./ VisProactive\_Diameter.sql  The .err and .status files should be checked for successful completion.  The .out file contains the details of what was executed and can be used to troubleshoot issues if needed. |
|  | **Grant Permissions** |
|  | No grant permissions. Nothing to do in this step |

|  |  |
| --- | --- |
|  | **Reset the Cache** |
| Step 1 | Login into 7.xx Crossroads and goes to Administation 🡪 Cache Admin screen.  Click on the “Reset All Cache” button to reset the cache. |



## Backout Procedure

To completely backout this release, perform the following:

* Execute **./VisProactive\_Diameter.backout** from the cgi-bin directory
* Execute **./runSqlRunner.sh VisProactive\_Diameter.backout.sql**
* Rename vispro.sp to vispro.sp.bak (or remove vispro.sp) and restart the proxy servers
* Restart the Crossroads Web Servers on each App Tier Server

## Monitoring/Verification Procedures

#### VisProactive Diameter

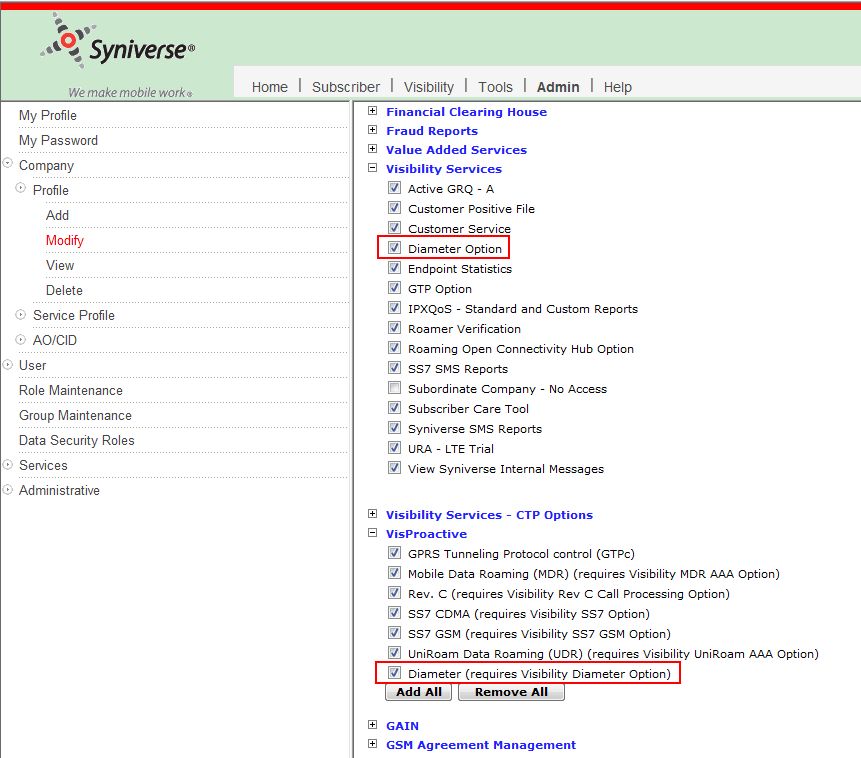
### Syniverse Company and Non Syniverse Company

Verify that

1. The company permission **Diameter Option** and **Diameter (requires Visibility Diameter Option)** are there and assigned to Syniverse.
2. **Diameter (requires Visibility Diameter Option)** is enabled only if **Diameter Option** is checked.

The company permission **Diameter (requires Visibility Diameter Option)** is granted to Syniverse company by default

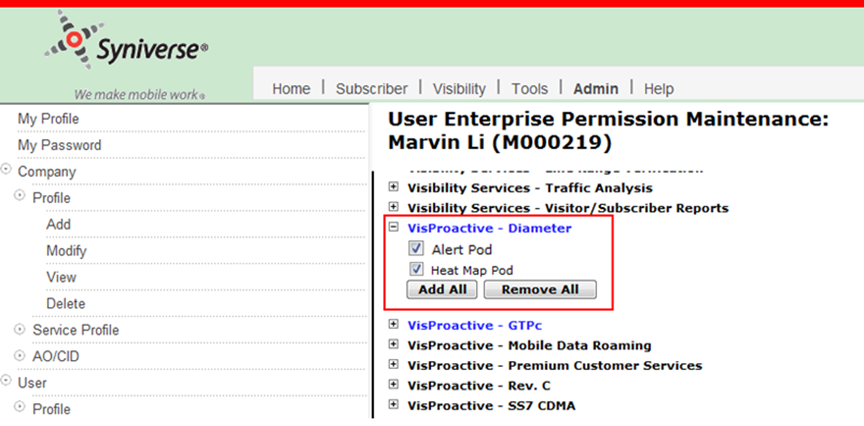
The company permission **Diameter (requires Visibility Diameter Option)** is NOT granted to Non Syniverse company by default



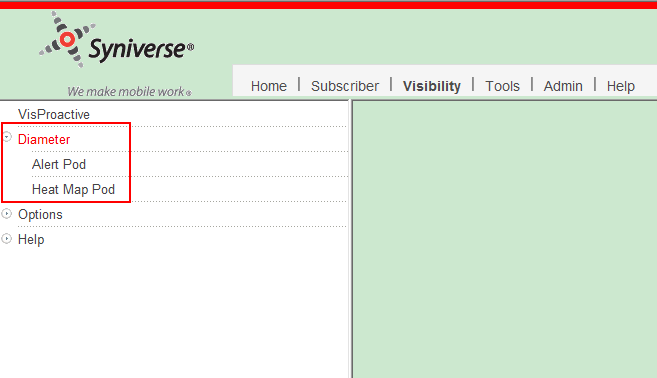
### Syniverse User and Non Syniverse User

For a Syniverse User or Non Syniverse User, please assign all these user permission:

The red marked permission “Alert Pod” and “Heat Map Pod” under **“VisProactive - Diameter”** will bring “Alert Pod” and “Heat Map Pod” link respectively



This user should see these links under **Visibility** tab. Logically all the links should be clicked and verified if they are showing properly or not.



# Test Procedures

Centralized Testing has created a system test plan and executed it in the System Test environment. Please see their documentation and completion report for more information.