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|  | FS – CIO  RELEASE NOTICE  (6610-7) | |  |
| Month XX, XXXX | **CIO – ISO** | | RN-XXXX-XX |
| **Subject:** | | Tivoli Configuration Manager v4.3.1 RHEL Gateway | |
| **Purpose:** | | Provide Tivoli Management Region scripts and configuration files to support creation of Tivoli Gateways on Red Hat Enterprise Linux servers and upgrade Tivoli Inventory Servers to Tivoli Configuration Manager v4.3.1. | |
| **Support Contact:** | | Customer Help Desk [866-945-1354] | |
| **Application Sponsor:** | | Mark Ryan | |
| **OS Level:** | | AIX 5.x, 6.1 | |
| **Mandatory:** | | Yes | |
| **Required System Reboot:** | | No Reboot Required  Servers (if applicable) | |
| **Service Interruption:** | | No | |
| **Affected Server Types:** | | Tivoli Management Region Servers | |
| **Server Team Implementing Update:** | | ESM | |
| **Expected Completion Date:** | | Identify an expected date for installation into production. | |
| **Environment:** | | PHE, PROD | |
| **SR #:** | | 2011????? | |
| **CR #:** | | ??? | |
| **If there are any problems installing this release, please contact the following people:** | | Developer: Ron Compos (rcompos@us.ibm.com) 303-748-4873  Tester: Installation tester’s name and contact information. | |
| General Overview | | | |
| **Abstract**  Provide Tivoli Management Region scripts and configuration files to create Tivoli Gateways on Red Hat Enterprise Linux servers.  **Description**  This release notice provides the Tivoli Management Region (TMR) scripts and configuration files necessary for the creation of Tivoli Gateways on Red Hat Enterprise Linux (RHEL) servers. Perform this process on all TMR servers in the enterprise.  The RHEL gateway creation script inst-mn-rhel is provided for managed node gateway creation on RHEL servers only. AIX servers continue to use the existing script inst-mn. Also included are configuration files to upgraded the Tivoli Inventory Server (TIS) to CM431. The entire process takes approximately 15 minutes to complete.  \*\*\* Perform this procedure on each TMR Server in the enterprise. \*\*\* | | | |
| Prerequisites | | | |
| Tivoli Management Region Servers   1. Root user access 2. Disk space: 1MB available under /usr/local/Tivoli/src 3. Disk space: 1MB available under /usr/local/Tivoli/etc | | | |

**SECTION I: Install Instructions**

This installation process must be run on all TMR Servers. The # symbol is used to represent the command-line prompt for the root user. Do not include prompts when running commands.

\*\*\* Perform this procedure on each TMR Server in the enterprise. \*\*\*

1. Log on

Create terminal session on TMR server and change to user root.

* 1. Log on to TMR server with a valid Active Directory account.
  2. Change to user root.

> **ssh *<admin\_id>*@*<TMR\_server>***

> **sudo su -**

1. Validate Free Disk Space
   1. Run command to show the disk space available. Space is given in units of 1 kilobyte.

# **df -k /usr/local/Tivoli/src**

# **df -k /usr/local/Tivoli/etc**

Confirm that the results show at lease 1000 under the column labelled "Free".

* 1. If any of the file systems do not have sufficient free space available, please determine what is utilizing the space and clean it up.

1. File Transfer

Transfer installation tar file to TMR server. The installation file cm431\_rhelgw\_etc.tar will be extracted to directory /usr/local/Tivoli/src.

* 1. Change directory.

# **cd /usr/local/Tivoli/src**

* 1. Copy tar files from file server. The tar bundle size is approximately 1MB. Substitute a valid KDC login for *<KDC\_id>*.

# **sftp *<KDC\_id>*@svmciweb001.mci.fs.fed.us**

sftp> **cd /efs/phe/dsl/incoming**

sftp> **get cm431rhelgw\_etc.tar**

sftp> **get cm431rhelgw\_etc.tar.cksum**

sftp> **bye**

* 1. Verify the check sum is correct.  
     # **cat cm431rhelgw\_etc.tar.cksum**  
     # **cksum cm431rhelgw\_etc.tar**

This value should match the result of the cat command.

1. Backup Configuration Directory

Backup the contents of directory /usr/local/Tivoli/etc.

* 1. Change directory.

# **cd /usr/local/Tivoli**

* 1. Create tar file etc\_preCM431RHELgw.tar to backup the contents of the etc directory.

# **tar cvpf /usr/local/Tivoli/var/backup/cm431rhelgw\_etc\_bkup.tar ./etc**

1. File Extraction

Extract contents of tar file.

* 1. Change directory to /usr/local/Tivoli.

# **cd /usr/local/Tivoli**

* 1. Extract file.

# **tar xvpf cm431rhelgw\_etc.tar**

1. Inventory Server Upgrade

Perform this step only if the TMR includes a dedicated TIS server managed node.

This release includes configuration files to upgrade Tivoli Inventory Server to CM431. Substitute actual TIS managed node label for *<TIS\_ManagedNode>.*

* 1. Upgraded TIS server products to CM431.

# **$ultes/reload-mn -c $ultec/inst/cm431-tis-upgd.cfg *<TIS\_ManagedNode>* 2>&1 | tee reload-mn.*<TIS\_ManagedNode>***

* 1. Enter "yes" to continue.

Continue? (yes/no) **yes**

1. Create RHEL gateway (OPTIONAL).

This release provides for creation of Tivoli gateway managed nodes on RHEL servers. If desired, create a managed node and gateway on a RHEL server. This step is optional.

On TMR Server as user root, create Tivoli managed node and gateway on RHEL server.

* 1. Perform initial SSH connection to RHEL server as user root. Substitute actual FQDN for the RHEL server in place of *<RHEL\_FQDN>*.

# **ssh root@*<RHEL\_FQDN>***

* 1. At the prompt enter "yes" to store the hosts RSA key in the local known\_hosts file.

Are you sure you want to continue connecting (yes/no)? **yes**

* 1. Disconnect from the remote RHEL server once the connection has been successfully established.

[root@RHELserver ~]# **exit**

* 1. Back on TMR server, change to directory /usr/local/Tivoli/etc/script.

# **cd /usr/local/Tivoli/etc/script**

* 1. On the TMR server, run the managed node gateway installation program (inst-mn-rhel). Substitute the managed node's actual RHEL system root user password for *<password>*, actual RHEL server fully qualified domain name for *slmcigw001.mci.fs.fed.us*, and desired gateway label for *slmcigw001-gw*. These values are provided as an example of the gateway naming convention.

# **./inst-mn-rhel -p *<password>* *slmcigw001.mci.fs.fed.us* *slmcigw001-gw***

* 1. On the managed node server, as user root, restart the xinet daemon. This allows the oserv to be restarted from the TMR server.

# **service xinetd restart**

Note: Tivoli framework managed nodes behind a NAT network will not have gateway communication. See IBM Technote 1252849 if any managed nodes are behind a NAT network.

SECTION II: Tivoli Install Instructions

There are no Tivoli Install instructions for this RN

SECTION III: Validation Steps

Issue the following commands from a unix shell on TMR server.

1. For TMR regions with a dedicated Inventory Server managed node. Verify TIS server upgraded to CM431.

Skip this step if the TMR does not have a dedicated Inventory managed node.

# **wlsinst -h -s "Inventory Upgrade, Version 4.2.3 to 4.3.1"**

The TMR and TIS server should be listed.

1. Verify RHEL gateway connected. Substitute actual RHEL server hostname for *<RHEL\_Hostname>*.

# **odadmin odlist | grep *<RHEL\_Hostname>***

The RHEL server should be listed as a managed node client. The second column should read "ct-" if the managed node is connected and "-t-" if the managed not is not connected.

SECTION IV: Backout Instructions

Restore original contents of directory /usr/local/Tivoli/etc.

1. Logon to TMR server as user root.
2. Change directory to /usr/local/Tivoli.

# **cd /usr/local/Tivoli**

1. Extract backup tar file.

# **tar xvpf /usr/local/Tivoli/var/backup/cm431rhelgw\_etc\_bkup.tar**

Δ END OF RELEASE NOTICE Δ