1. **Download scripts from the IAM website.** 
   1. Follow the IAM link, <https://w3-connections.ibm.com/wikis/home?lang=en#!/wiki/IAMSL/page/Oracle%20extractors> .
   2. Go to the **Download** section and click on the link under the column heading **Ksh-Unix** to download the file **iam\_oracle\_extract.ksh**.
   3. Follow the following link for documentation on script installation. Also, this link will list the location to download the iam subsystem script **IAMSubsystemsLibrary.ksh.** link-> https://w3-connections.ibm.com/wikis/home?lang=en#!/wiki/IAMSL/page/Subsystem%20Extractors
2. **Create requests to copy scripts to servers.** Create tickets requesting an SA cop**y iam\_oracle\_extract.ksh** and **IAMSubsystemsLibrary.ksh** to the /opt/admin/bin/ folder. Attach the two scripts downloaded in the previous steps to your tickets. Lastly, make sure you request that the scripts have execute permissions.
3. **Request sudo access**

You will need to request sudo access so that the unix oracle user id can run the IAM extract script with root privileges. If there are multiple unix oracle user accounts on the server then sudo access will need to be requested and setup for each. For example, if you have oraclecp, oraclemp, etc. on the server then you will need to specify each in the sudo request.

1. You can not request sudo via remedy. You must submit sudo requests via the sudo request tools for the appropriate support team.

For MITS-ALL support sudo requests, use the following link:

[*https://uss.corp.intranet/sudo/sudo\_request.cgi*](https://uss.corp.intranet/sudo/sudo_request.cgi)

For Server Mgmt UNIX (SMU) support sudo requests, use the following link:

[*http://sm-unix.qintra.com/sudo\_login.htm*](http://sm-unix.qintra.com/sudo_login.htm)

1. In your sudo request, specify that the following sudo entry be entered ( In the additional instructions section request that the sudo option should be set that allows execution via remote tty. This will allow the sudo command to be executed from oracle cron.)

**SUDO ENTRY:**  *(root) NOPASSWD: /opt/admin/bin/iam\_oracle\_extract.ksh*

1. **Create wrapper script to call that calls iam extract script**

Create a file called **runIamExtract.ksh** and copy the runIamExtract.ksh text body into it. The text is in the table below. Don’t forget to grant execute permissions – *chmod 755 runIamExtract.ksh.*  Copy the file to your oracle home’s ~/support/bin directory. If the directory does not exist go ahead and create it.

* runIamExtract.ksh text

|  |
| --- |
| #!/bin/ksh  OSID=`id | sed -e 's/^[^(]\*(//' -e 's/).\*//'`  HOST=`hostname`  TODAY=`date +%m%d%Y`  sudo /opt/admin/bin/iam\_oracle\_extract.ksh -owner `echo $OSID` -outputFile /tmp/iam\_extract\_`echo $OSID`\_$HOST.mef3 |

1. **Create the following cron entry to schedule an IAM run.**

####Iam Report

30 08 \* \* \* ~/support/bin/runIamExtract.ksh > /tmp/runIamExtract.log 2>/dev/null

1. **After execution completes, check the /tmp directory for .mef3 report file.**

**ADMINISTRATION**

1. Execute the script **$HOME/wil/iam/get\_iam\_reports.ksh** to download extract files from target servers. The script uses the file **db\_host\_m.lst** to determine which servers it will attempt to download extract files from. The files are downloaded to **/gfs/misc/former/iam\_2014\_upload/.**
2. Use the following to change the file extensions to .mef instead of .out.
   * cd /gfs/misc/former/iam\_2014\_upload
   * find . -type f -name "\*.out" -exec sh -c 'mv -f $0 ${0%.out}.mef3' {} \;

Additional maintenance scripts

1. Script $HOME/wil/iam/**copy\_runIam\_servers.ksh** automates the setup of iam on a server.
   1. First, it will add a cron entry for wrapper script **runIamExtract.ksh** and create the directories ~/support and ~/support/bin**.** The **runIamExtract.ksh** is used toexecute the iam script **iam\_oracle\_extract.ksh.** \*\* You will need to adjust the cron time as required.
   2. Second, it will copy the wrapper script **runIamExtract.ksh** to the target servers.
2. Scripts **$HOME/wil/iam/check\_iam.ksh** and **r\_check\_iam.ksh**
   1. I used these two scripts to check the presence of the iam cron entry, presence of pmon processes, sudo setup for IAM command, presence of iam script and iam wrapper script and version of the iam script.
   2. The main check script again uses a db list file to execute the remote script r\_check\_iam.ksh.
   3. I always run the check script piping the output to a log file then I grep on IAM to get the data I need.
      1. check\_iam.ksh > check\_iam.20140901.log
      2. cat check\_iam.20140901.log | grep IAM

Questions:

Where does the **db\_host\_m.lst** get built from?

What happens to the files once they are retrieved?

Jay notes:

Dbarpt.MLQ table – Master list q uploaded

Dbarpt.server\_user table – parsed server with oracle userid, skip db2, progress and windows servers.

* Need to add cron to do this once a week.

Script rerun\_iam\_reports.ksh will run