

plugin deployment guide

JANUARY 2020

This document details the steps required when deploying the mongoDB monitoring plug-in into Oracle Enterprise Manager 13c.

Prerequisites

- Oracle Enterprise Manager 13.2.x or above (OMS patch 25453518 required)
- mongoDB version 2.6.5 or above
- The agent side host should be an EM supported Linux 32 or 64 bit platform.
- An Oracle EM 13.2.0.1.0 or higher agent deployment is required on a selected management host. This may be remote to the mongoDB installation.
- Authentication should be configured on the mongoDB environment and a dedicated monitoring user configured in the admin database of each mongoDB. This is used by EM to remotely monitor the target.
- A local mongo client installation is required on the monitoring host if remote javascript execution via the EM job system is used.
- mongoDB java driver and additional library jar files should be installed on the monitoring host.

Please refer to the target addition guide for more information on the above.

Plug-in Import

The plug-in should be installed into the EM environment using emcli.

Following download of the opar file from http://www.aidev.uk please import using the following command as SYSMAN:

emcli import_update -file={full path to opar file} -omslocal

This imports the plug-in into the EM environment and makes it visible within the EM console

eg:

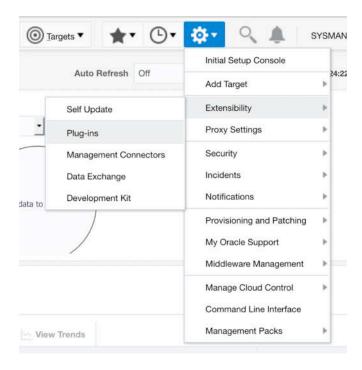
[oracle]\$ emcli import_update -file="/home/oracle/13.2.0.1.0_aidev.mongo.xdbs_2000_0.opar" -omslocal
Processing update: Plug-in - Aidev mongoDB system monitoring plugin for Oracle Enterprise Manager
Successfully uploaded the update to Enterprise Manager. Use the Self Update Console to manage this update.

Deploy on Management Server

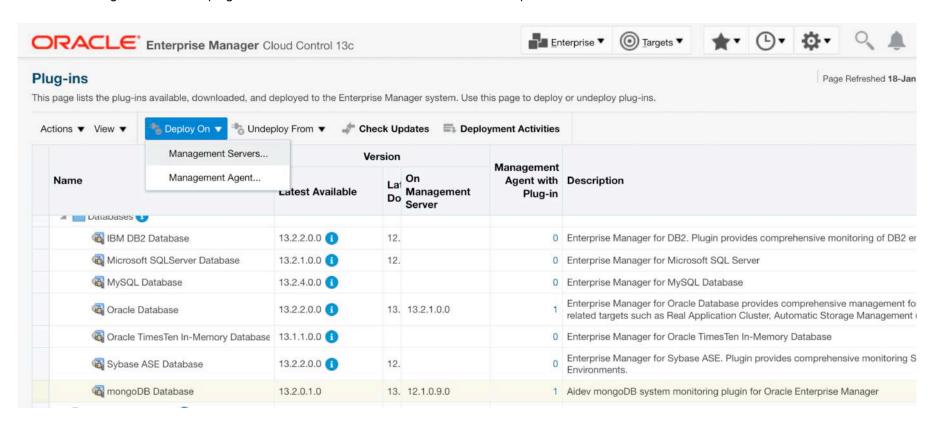
IMPORTANT: AS PER NORMAL BEST PRACTICES, PLEASE ENSURE PRODUCTION ENTERPRISE MANAGER ENVIRONMENTS ARE BACKED UP PRIOR TO PROCEEDING WITH PLUGIN DEPLOYMENT

Within Oracle Enterprise Manager, deploy the plug-in.

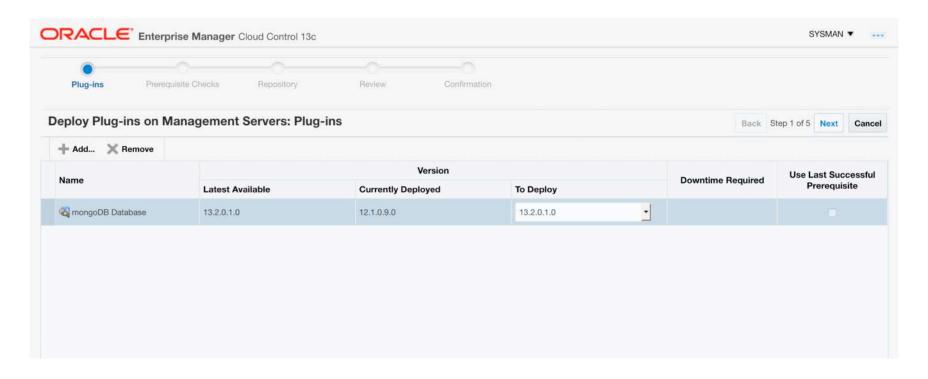
Navigate to "Setup", "Extensibility", "Plug-ins":



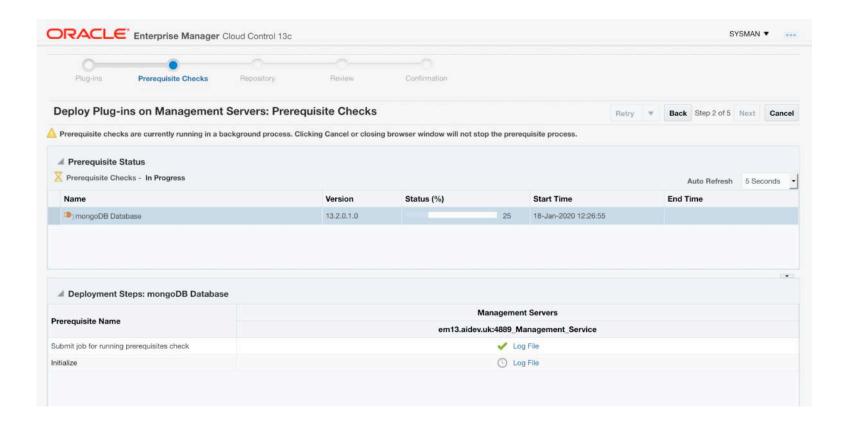
Select the mongoDB Database plugin within the 'Databases' section – the version imported should be visible.



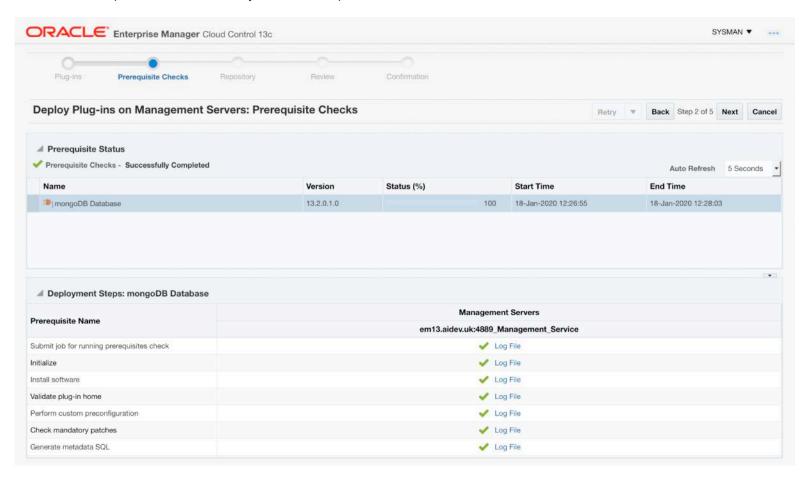
left click on "Deploy on" then "Management Servers"



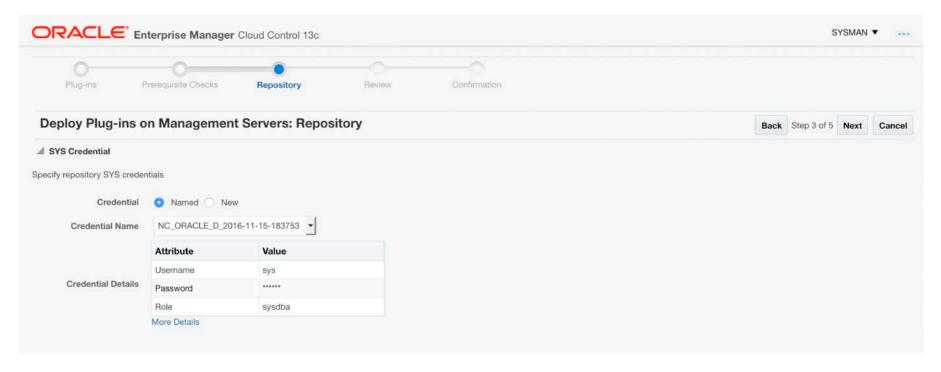
Click Next to run the Pre-reqs



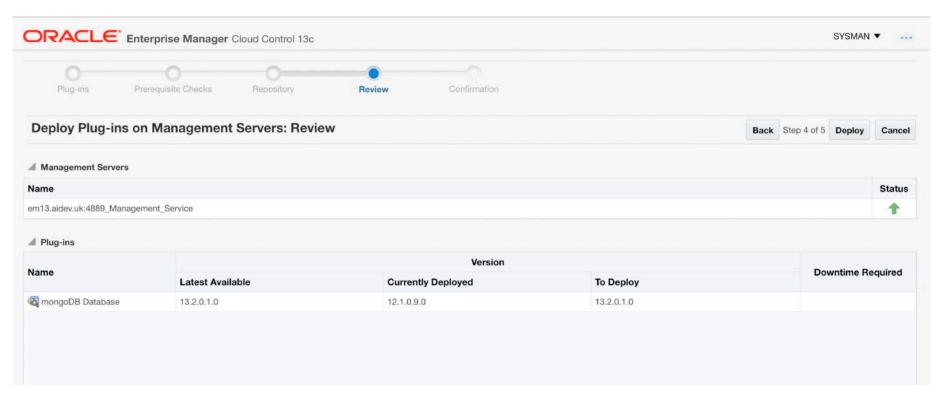
Once the Pre-reqs have run successfully, click Next to proceed:



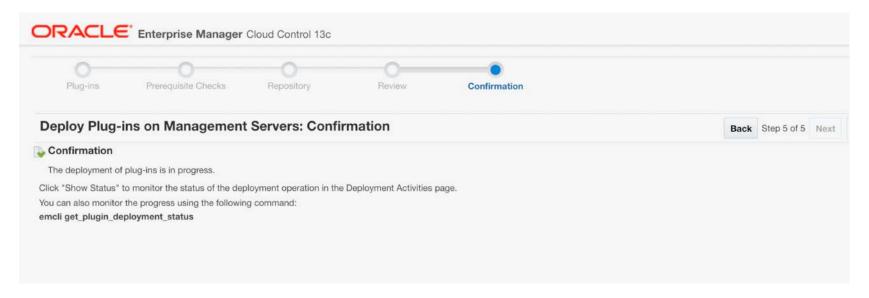
enter the EM repository database SYS password or use existing credentials, then click "Next"



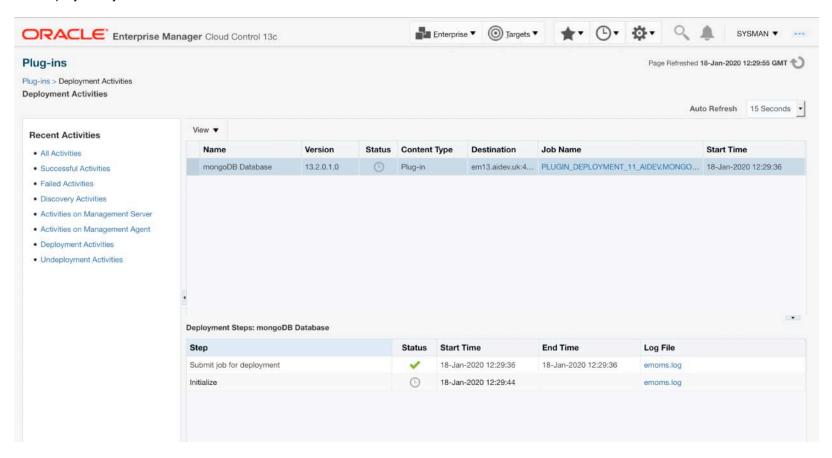
On the Review page, click 'Deploy':



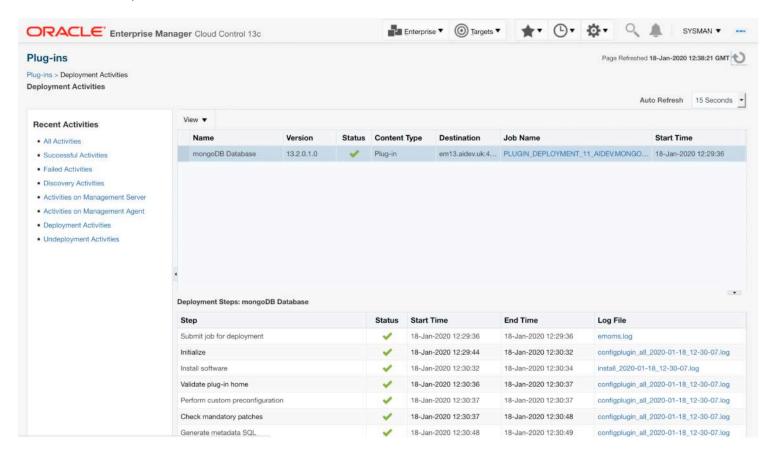
on the Confirmation page click "Show Status"



The deployment job will be visible:



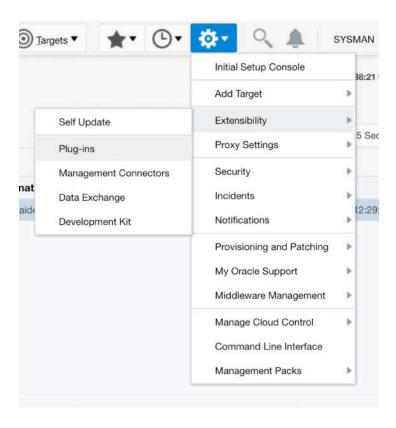
after a few minutes, this should succeed:



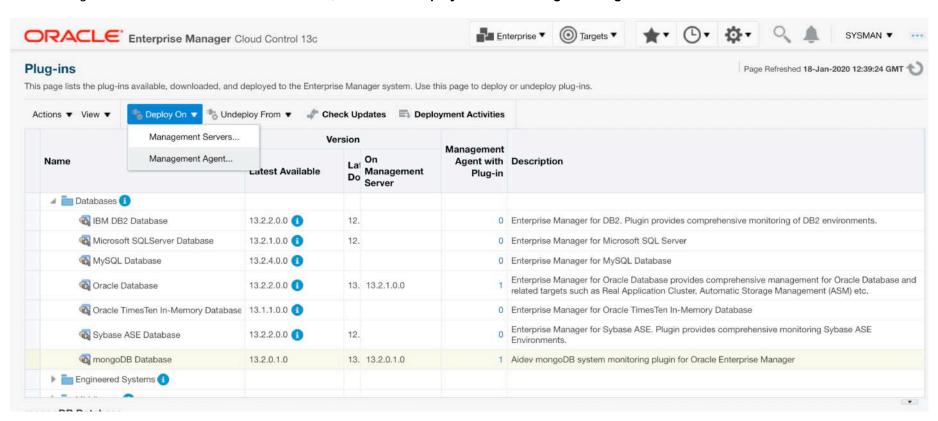
Deploy on Management Agent

Following deployment on the Oracle Management Server, the plugin should be deployed against a management agent.

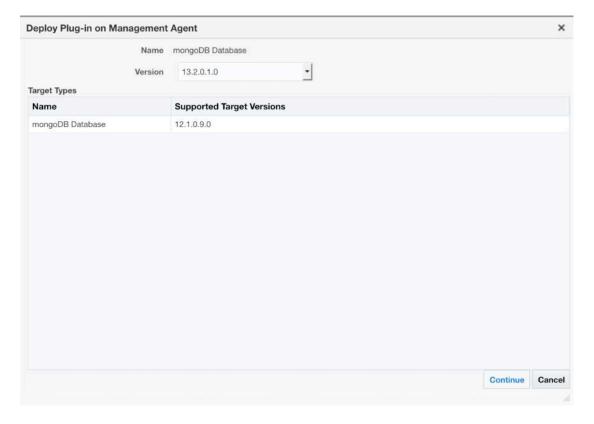
Navigate to "Setup" -> "Extensibility"-> "Plugins"



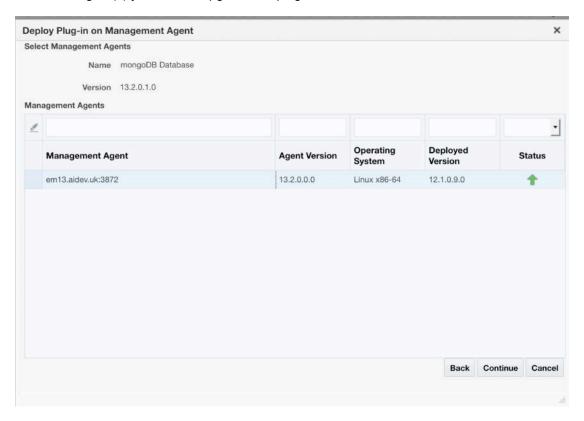
Select 'mongoDB Database' in the 'Databases' section, left click on "Deploy on" then "Management Agent"



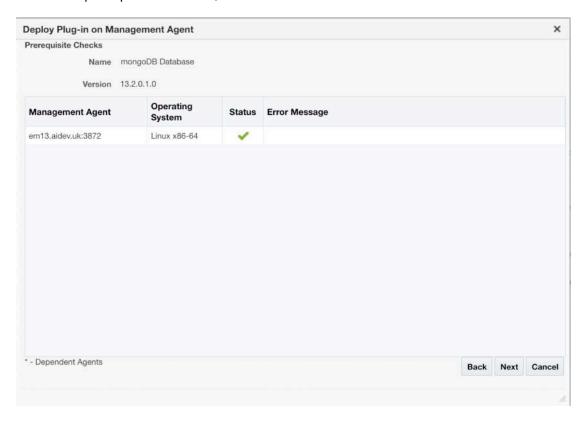
Ensure the correct plugin version is shown, then click "Continue"



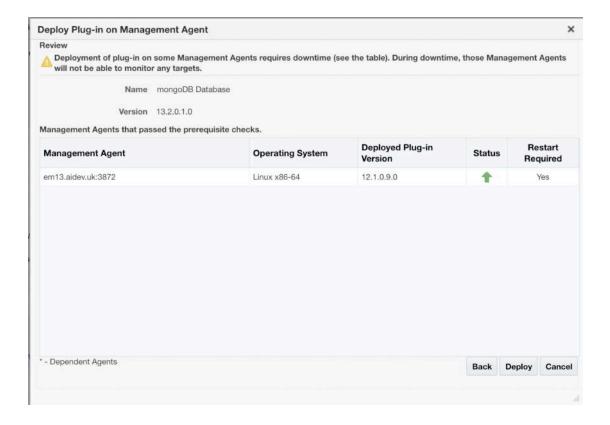
Select the agent(s) you wish to upgrade the plugin on, then select "Continue"



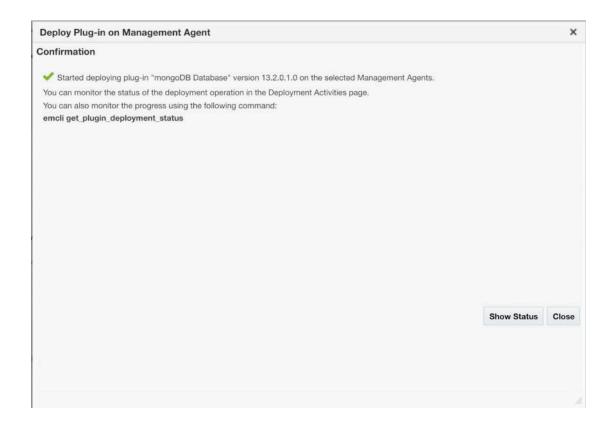
Ensure the prerequisites succeed, click "Next"



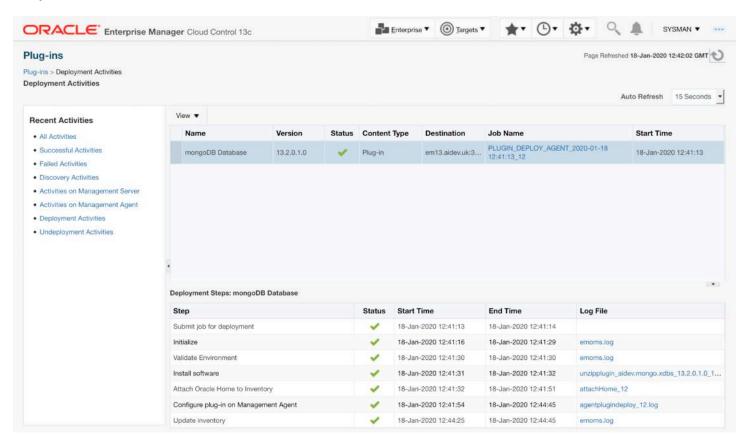
Accept the warning and click "Deploy":



Click "Show Status" to see the job:



The job will run and after a few minutes should succeed:



MongoDB targets can now be added into Enterprise Manager by following the steps detailed in the 'Target Addition Guide' document.



NEED FURTHER INFORMATION? contact info@aidev.uk for more details on this product and how to join up with us.

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