# JAM: Asset Discovery

## Steps to bring out Asset Discovery part-1 into Production

1. Part-1

Part-1 means - OS-HARDWARE discovery script

INSTALLED SOFTWARE discovery script.

CHECHSUM Script.

OS and Hardware information gathering and Installed software on the nodes information gathering.

1. Scripts for OS-HARDWARE, INSTALLED SOFTWARE and CHECKSUM - should be available - uploaded.
2. Security approval on these scripts required.
3. SME approval on the script is required.
4. ANSIBLE Readiness - (yml creation)
5. Creation of Folders at Nodes:

/opt/ngoagent/JAM/Discovery/script

/opt/ngoagent/JAM/Status

1. Posting script on servers at folder

/opt/ngoagent/JAM/Discovery/script

1. OS Type: AIX

JAM\_CONFIG.conf

host\_discovery\_AIX.sh

installed\_software\_AIX.sh

run\_checksum.sh

run\_host\_discovery\_AIX.sh

1. OS Type: SunOS

JAM\_CONFIG.conf

host\_discovery\_SUNOS.sh

installed\_software\_SUNOS.sh

run\_checksum.sh

run\_host\_discovery\_SUNOS.sh

1. OS Type: UNIX

JAM\_CONFIG.conf

all\_unix.sh

all\_unix\_installed\_SW.sh

run\_all\_unix.sh

run\_checksum.sh

1. Scheduling of script into crobtab (with root user)

Daily - 6:00 AM, 6:00 PM

OS Type: AIX (example from unix crontab)

0 6,18 \* \* \* bash /opt/ngoagent/JAM/Discovery/script/run\_checksum.sh

1 6,18 \* \* \* bash /opt/ngoagent/JAM/Discovery/script/run\_host\_discovery\_AIX.sh

3 6,18 \* \* \* bash /opt/ngoagent/JAM/Discovery/script/installed\_software\_AIX.sh

1. OS Type: SunOS (example from unix crontab)

0 6,18 \* \* \* bash /opt/ngoagent/JAM/Discovery/script/run\_checksum.sh

1 6,18 \* \* \* bash /opt/ngoagent/JAM/Discovery/script/run\_host\_discovery\_SUNOS.sh

3 6,18 \* \* \* bash /opt/ngoagent/JAM/Discovery/script/installed\_software\_SUNOS.sh

1. OS Type: UNIX ( All RHEL / CENT / SUSE / UNBUNTU )

0 6,18 \* \* \* bash /opt/ngoagent/JAM/Discovery/script/run\_checksum.sh

1 6,18 \* \* \* bash /opt/ngoagent/JAM/Discovery/script/run\_all\_unix.sh

3 6,18 \* \* \* bash /opt/ngoagent/JAM/Discovery/script/all\_unix\_installed\_SW.sh

1. All these script after execution, generate output file at location:

/opt/ngoagent/JAM/Discovery/script

* + 1. CHK\_20200710124952.log - CheckSum script output.
    2. JAM\_success\_20200710125148.csv - part of (run\_host\_discovery\_SUNOS.sh or run\_all\_unix.sh) output.
    3. JAM\_error.log - ignore it.
    4. JAM\_SW\_20200709224712.csv - part of Installed Software script output.
    5. /opt/ngoagent/JAM/Status
* Status.log - Part of (run\_host\_discovery\_SUNOS.sh or run\_all\_unix.sh) output.

1. Filebeat Readiness:

In filebeat configuration, we have to configure following files for Kafka data transfer:

a) CHK\_20200710124952.log

b) JAM\_success\_20200710125148.csv

d) JAM\_SW\_20200709224712.csv

e) /opt/ngoagent/JAM/Status ( Check : this is part of service dependency. So ignore if this has been configured)

Need to provide Kafka Topic for these above files.

1. Kafka Readiness

Creation of Kafka Topic ( for Asset discovery data if it needs to be created separately).

1. Kafka - Spark Streaming:

Spark script Creation for all three files mentioned above.

Production Database readiness with schema details (MysqlDB - Access Provided - port opening if any)

Schema creation / Table creation as Landing table for streaming data coming from all Nodes.