Installation Support Document

GIS TIBCO BW (EAI) –

| **Instance:** |  |
| --- | --- |
| **Architecture Specification:** | IS\_506885 : AS - GIS TIBCO BW (EAI) Platform - Architecture Specifications |
| **Document References** |  |

|  | **Name(s) and Title(s)** | **Signature(s)** | **Date *(dd/mmm/yyyy)*** |
| --- | --- | --- | --- |
| **Author** |  |  |  |
| **Approver** |  |  |  |

Table of Contents

[1. 3](#_Toc444174573)

[1.1. Configuration Parameters Values 3](#_Toc444174574)

[1.2. Installation Qualification Test Evidence 3](#_Toc444174575)

## Installation Qualification Test Evidence

| **Step** | **Action** | **Expected results** | **Actual results** | **Installation Verification OK? (Y/N/NA)** | **Anomaly Reference** |
| --- | --- | --- | --- | --- | --- |
|  | Check RAM & SWAP  Command: free -g | RAM >=30Gb  SWAP >= 2\*RAM |  |  |  |
|  | Check number of CPUs on the host  Command:  lscpu | egrep 'Thread|Core|Socket|^CPU\(' | CPU(s): 4  Thread(s) per core: 1  Core(s) per socket: 1  Socket(s): 4 |  | HI3 |  |
|  | Check the max user processes  Command: ulimit -u | 204800 |  |  |  |
|  | Check the stack size  Commands:  ulimit -s | 10240 |  |  |  |
|  | Check the open files limit  Command:  ulimit -n | 10000 |  |  |  |
|  | Check for availability of necessary filesystems for Tibco home  Command:  df –h /apps/tibco | Filesystem Size Used Avail Use% Mounted on  /dev/mapper/vg01-lv\_apps\_tibco 50G 7.0G 40G 15% /apps/tibco  Disk space >=50G |  |  |  |
|  | Check for availability of necessary filesystems for Tibco logging  Command: df –h /logs/tiblog | Filesystem Size Used Avail Use% Mounted on  /dev/mapper/vg01-lv\_logs\_tiblog 50G 54M 47G 1% /logs/tiblog |  |  |  |
|  | Check Max users sessions  more /proc/sys/fs/inotify/max\_user\_instances | 256 |  |  |  |

## BusinessWorks Installation Qualification Test Evidence

| **Step** | **Action** | **Expected results** | **Actual results** | **Installation Verification OK? (Y/N/NA)** | **Anomaly Reference** |
| --- | --- | --- | --- | --- | --- |
|  | Check the installed software, using TIBCO account  Command:  view .TIBCO/UniversalInstallerHistory.xml  Paste the complete screenshot in ‘Actual Results’ | Xml document listing all the Tibco components installed on the host |  |  |  |
|  | Check maximum and minimum heap allocation for bwagent  Command: View <BW\_HOME>/bw/<version>/bin/**bwagent.tra** | java.extended.properties=-Xmx**4096m** -Xms**4096m** -XX:+HeapDumpOnOutOfMemoryError -XX:SurvivorRatio=128 -XX:MaxTenuringThreshold=0 -XX:+UseTLAB -XX:+UseConcMarkSweepGC -XX:+CMSClassUnloadingEnabled -XX:+CMSClassUnloadingEnabled -Djava.security.egd=file:///dev/urandom |  |  |  |
|  | Check maximum and minimum heap allocation for creation of appspaces/ appnodes under current implementation  Command: View <BW\_HOME>/bw/<version>/bin/bwcommon.tra | java.extended.properties=-Xmx**2048m** –Xms**2048m** -XX:+HeapDumpOnOutOfMemoryError -XX:SurvivorRatio=128 -XX:MaxTenuringThreshold=0 -XX:+UseTLAB -XX:+UseConcMarkSweepGC -XX:+CMSClassUnloadingEnabled |  |  |  |
|  | In <BW\_HOME>/bw/<version>/bin//bwagent-logback.xml, under “<appender name="STDOUT" class="ch.qos.logback.core.ConsoleAppender">”, check for <pattern>%d{**yyyy-MM-dd** HH:mm:ss.SSS} %-5level [%thread] %logger{36} - %msg%n</pattern> | <pattern>%d{**yyyy-MM-dd** HH:mm:ss.SSS} %-5level [%thread] %logger{36} - %msg%n</pattern> |  |  |  |
|  | Check for bwagent process for the sytem account for related Tibco domain  Command: ps –eaf|grep bwagent | <system account> <processId> <Parent prcess Id> 0 <date> ? <uptime> <TIBCO\_HOME>/bw/<version>/bin/bwagent --innerProcess |  |  |  |
|  | Check the bwagents from bwadmin  Command: <BW\_HOME>/bw/<version>/bin/bwadmin --propFile <BW\_HOME>/bw/<version>/bin/bwadmin.tra show agents | All the bwagents registered registered for the agent network shall be listed |  |  |  |
|  | Check shared NAS volumes tibusrdata | NAS share mounted to /data/tibusrdata/xxx/ |  |  |  |
|  | Check shared NAS volumes TRANS | NAS share mounted to /trans |  |  |  |
|  | Check access to tibusrdata with TIBCO account | Using TIBCO account check R/W in the /data/tibusrdata/xxx/ folder |  |  |  |