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Approval	FRIGOT Yannick-EXT	22 Oct 2020 08:47:20	I am approving this document as an author on behalf of my company under contract with sanofi
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INSTALLATION SUPPORT DOCUMENT

TIBCO EAI KAFKA PLATFORM - PRD - XSPL62F224A

Project / Application Name:	Tibco EAI KAFKA Platform
Environment:	PRD
Architecture Specification:	IS_1664528: "AS - Architecture Specifications - Tibco EAI Kafka Platform"
Document References	IS_1664527: PUMA-Installation procedure document - Kafka Cluster installation via Ansible

	Name(s) and Title(s)	Signature(s)	Date (dd/mm/yyyy)
Author	See GeodIS	See GeodIS	See GeodIS
Approver	See GeodIS	See GeodIS	See GeodIS

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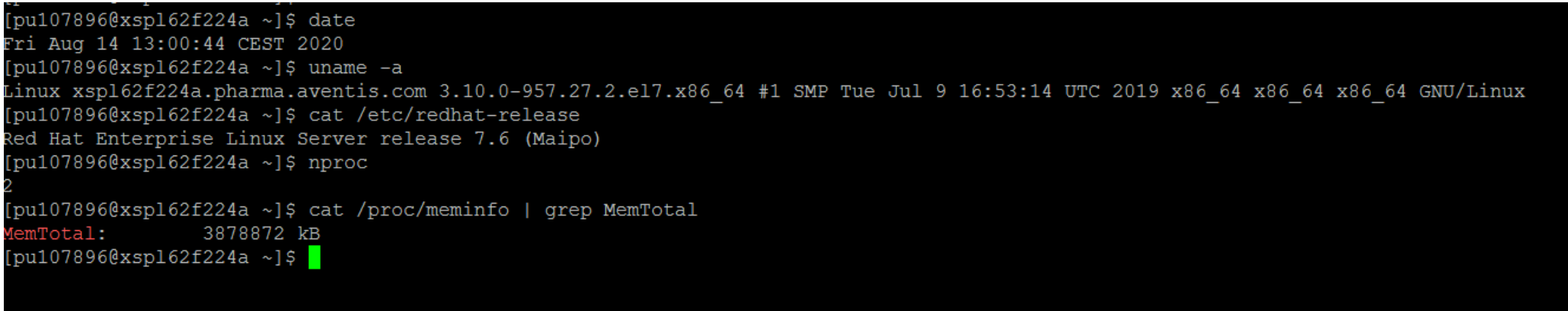
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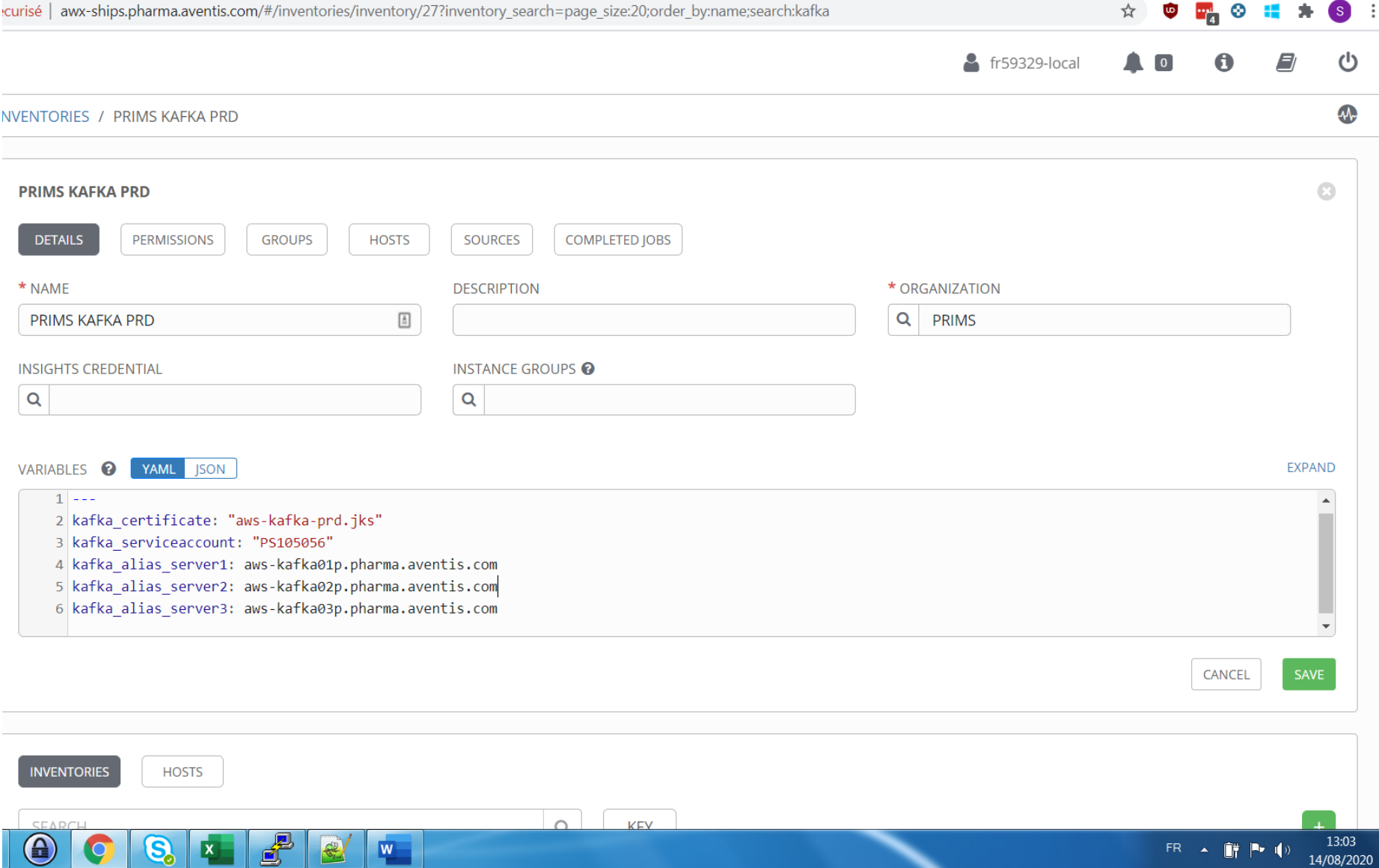
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1. SERVER HARDWARE VERIFICATIONS

Step	Action	Expected	Evidence	Installation Verification OK? (Y/N/NA)	Anomaly Reference
Server Hardware Components	date uname -a cat /etc/redhat-release nproc cat /proc/meminfo grep MemTotal	Host : xspl62f224a.pharma.aventis.com OS : Red Hat Enterprise Linux Server release 7.6 (Maipo) CPU : >=2 Memory > 3Gb	See below	Y	NA
Evidence: 					

2. DEPLOYMENT SERVER (ANSIBLE) VERIFICATIONS

Step	Action	Expected	Evidence	Installation Verification OK? (Y/N/NA)	Anomaly Reference
Check the list of the kafka servers aliases linked to the project name	Display in the Ansible AWS console the inventory for the related project/environment	KAFKA PRD Project kafka_alias_server1: aws-kafka01p.pharma.aventis.com kafka_alias_server2: aws-kafka02p.pharma.aventis.com kafka_alias_server3: aws-kafka03p.pharma.aventis.com	See below	Y	NA
<u>Evidence:</u>					

Step	Action	Expected	Evidence	Installation Verification OK? (Y/N/NA)	Anomaly Reference
					

Step	Action	Expected	Evidence	Installation Verification OK? (Y/N/NA)	Anomaly Reference
Check the result of the automated deployment job	Display in the Ansible AWS console the job log for the related project/environment	KAFKA PRD Project <ul style="list-style-type: none"> - Validate the playbook name : setup_kafka.yaml - Validate the server names (see ISD title for server name) - Check the number of failed steps is 0 	See below	Y	NA

Step	Action	Expected	Evidence	Installation Verification OK? (Y/N/NA)	Anomaly Reference
<div> <div>JOBS / 2391 - PRIMS - KAFKA PRD</div> <div> <div> <div>DETAILS</div> <div> <div>STATUS</div> <div>Successful</div> </div> <div> <div>STARTED</div> <div>7/3/2020 9:40:18 AM</div> </div> <div> <div>FINISHED</div> <div>7/3/2020 9:41:43 AM</div> </div> <div> <div>JOB TEMPLATE</div> <div>PRIMS - KAFKA PRD</div> </div> <div> <div>JOB TYPE</div> <div>Run</div> </div> <div> <div>LAUNCHED BY</div> <div>e0308814</div> </div> <div> <div>INVENTORY</div> <div>PRIMS KAFKA PRD</div> </div> <div> <div>PROJECT</div> <div>SHIPS KAFKA AWS</div> </div> <div> <div>REVISION</div> <div>4cc8901</div> </div> <div> <div>PLAYBOOK</div> <div>setup_kafka.yml</div> </div> <div> <div>CREDENTIAL</div> <div>PRIMS KAFKA AWS EMEA</div> </div> <div> <div>ENVIRONMENT</div> <div>/var/lib/awx/venv/ansible</div> </div> <div> <div>EXECUTION NODE</div> <div>awx</div> </div> <div> <div>INSTANCE GROUP</div> <div>tower</div> </div> <div> <div>EXTRA VARIABLES</div> <div>YAML JSON</div> </div> </div> <div> <div>PRIMS - KAFKA PRD</div> <div> <div>PLAYS 1 TASKS 40 HOSTS 3 ELAPSED 00:01:25</div> <div> <div>SEARCH</div> <div>Q KEY</div> </div> <div> <div>212 changed: [xspl62f226s.pharma.aventis.com]</div> <div>213 changed: [xspl62f228c.pharma.aventis.com]</div> <div>214</div> <div> <div>215 TASK [restart service kafka] ***** 09:41:41</div> <div>*****</div> <div>216 changed: [xspl62f224a.pharma.aventis.com]</div> <div>217 changed: [xspl62f226s.pharma.aventis.com]</div> <div>218 changed: [xspl62f228c.pharma.aventis.com]</div> <div>219</div> <div>220 PLAY RECAP ***** 09:41:43</div> <div>*****</div> <div>221 xspl62f224a.pharma.aventis.com : ok=30 changed=3 unreachable=0 failed=0 skipped=10 rescued=0 ignored=0</div> <div>222 xspl62f226s.pharma.aventis.com : ok=30 changed=3 unreachable=0 failed=0 skipped=10 rescued=0 ignored=0</div> <div>223 xspl62f228c.pharma.aventis.com : ok=30 changed=3 unreachable=0 failed=0 skipped=10 rescued=0 ignored=0</div> <div>224</div> </div> </div> </div> </div></div></div>					
Step	Action	Expected	Evidence	Installation Verification OK? (Y/N/NA)	Anomaly Reference
Check the kafka version to be deployed	Display in GIT repository the deployed playbook	Check in the kafka playbook setup_kafka.yml the kafka_ver variable	See below	Y	NA

3. SERVER SOFTWARE VERIFICATIONS

Step	Action	Expected	Evidence	Installation Verification OK? (Y/N/NA)	Anomaly Reference
Server Software Components Installed	date uname -a ll /apps/kafka/kafka	Kafka folder name (meaning installed kafka version) should contain the version number mentioned in the setup_kafka.yml variable mentioned in the previous table : 2.4.1	See below	Y	NA
Evidence: <pre>[pu107896@xspl62f224a ~]\$ date Fri Aug 14 13:01:10 CEST 2020 [pu107896@xspl62f224a ~]\$ uname -a Linux xspl62f224a.pharma.aventis.com 3.10.0-957.27.2.el7.x86_64 #1 SMP Tue Jul 9 16:53:14 UTC 2019 x86_64 x86_64 x86_64 GNU/Linux [pu107896@xspl62f224a ~]\$ ll /apps/kafka/kafka lrwxrwxrwx. 1 root root 28 Jul 3 09:28 /apps/kafka/kafka -> /apps/kafka/kafka_2.12-2.4.1 [pu107896@xspl62f224a ~]\$ █</pre>					
Configuration files correctly populated	date uname -a cd /apps/kafka/kafka/config cat zookeeper.properties cat server.properties grep xspl62f224a	<ul style="list-style-type: none">- zookeeper.properties should contain all aliases as seen in the ansible screenshots- server.properties should refer to the server name in the current isd	See below	Y	NA
Evidence:					

Step	Action	Expected	Evidence	Installation Verification OK? (Y/N/NA)	Anomaly Reference
<pre>[pu107896@xspl62f224a ~]\$ date Fri Aug 14 13:01:35 CEST 2020 [pu107896@xspl62f224a ~]\$ uname -a Linux xspl62f224a.pharma.aventis.com 3.10.0-957.27.2.el7.x86_64 #1 SMP Tue Jul 9 16:53:14 UTC 2019 x86_64 x86_64 x86_64 GNU/Linux [pu107896@xspl62f224a ~]\$ cd /apps/kafka/kafka/config [pu107896@xspl62f224a config]\$ cat zookeeper.properties # dataDir=/apps/kafka/kafka/zookeeper/tmp # clientPort=2181 # maxClientCnxns=0 server.1=aws-kafka01p.pharma.aventis.com:2888:3888 server.2=aws-kafka02p.pharma.aventis.com:2888:3888 server.3=aws-kafka03p.pharma.aventis.com:2888:3888 clientPort=2181 dataDir=/apps/kafka/kafka/zookeeper tickTime=2000 initLimit=5 syncLimit=5 autopurge.snapRetainCount=3 autopurge.purgeInterval=72 [pu107896@xspl62f224a config]\$ cat server.properties grep xspl62f224a advertised.host.name=xspl62f224a.pharma.aventis.com advertised.listeners=SASL_SSL://xspl62f224a.pharma.aventis.com:9093 listeners=SASL_SSL://xspl62f224a.pharma.aventis.com:9093 [pu107896@xspl62f224a config]\$ █</pre>					
KAFKA and ZOOKEEPER services Running	date uname -a systemctl status zookeeper systemctl status kafka	kafka.services and zookeeper.services running for more than 10 seconds	See below	Y	NA
Evidence:					

Step	Action	Expected	Evidence	Installation Verification OK? (Y/N/NA)	Anomaly Reference
			<pre>[pu107896@xspl62f224a config]\$ date Fri Aug 14 13:02:01 CEST 2020 [pu107896@xspl62f224a config]\$ uname -a Linux xspl62f224a.pharma.aventis.com 3.10.0-957.27.2.el7.x86_64 #1 SMP Tue Jul 9 16:53:14 UTC 2019 x86_64 x86_64 x86_64 GNU/Linux [pu107896@xspl62f224a config]\$ systemctl status zookeeper ● zookeeper.service - Apache Zookeeper Loaded: loaded (/usr/lib/systemd/system/zookeeper.service; disabled; vendor preset: disabled) Active: active (running) since Fri 2020-07-03 09:41:41 CEST; 1 months 11 days ago Main PID: 10847 (java) Tasks: 52 Memory: 388.1M CGroup: /system.slice/zookeeper.service └─10847 /usr/local/openjdk-jre/bin/java -Xmx512M -Xms512M -server -XX:+UseG1GC -XX:MaxGCPauseMillis=20 -XX:InitiatingHeapOccupan... [pu107896@xspl62f224a config]\$ systemctl status kafka ● kafka.service - Kafka Broker Loaded: loaded (/usr/lib/systemd/system/kafka.service; disabled; vendor preset: disabled) Active: active (running) since Fri 2020-07-03 09:41:42 CEST; 1 months 11 days ago Main PID: 11322 (java) Tasks: 81 Memory: 913.4M CGroup: /system.slice/kafka.service └─11322 /usr/local/openjdk-jre/bin/java -Xmx1G -Xms1G -server -XX:+UseG1GC -XX:MaxGCPauseMillis=20 -XX:InitiatingHeapOccupancyPe... [pu107896@xspl62f224a config]\$ █</pre>		