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Title IP - Installation Procedure - Kafka		

Reason for Revision

	Approval Name	Date (Universal Time)	Reason for Signature
Approval	ZACHARIE Joseph Altran	01 Dec 2020 10:33:38	I am approving this document as an author on behalf of my company under contract with sanofi
Approval	FRIGOT Yannick-EXT	10 Dec 2020 10:06:32	I am approving this document on behalf of my company under contract with sanofi
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Version History

Version	Date (dd/mm/yyyy)	Modification
1.0	See GEODIS	Initial Version
2.0	See GEODIS	Add Jolokia and Telegraf to allow Monitor Kafka in Splunk

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1. INTRODUCTION

The objective of the Installation Procedure is to provide detailed step by step instructions for installing Kafka Cluster via Ansible

Description	Vendor	Model/Type	Identifier/Version/Patch	Comments
Install Kafka	Apache	Streaming Bus Cluster	v1.0.10	N/A

2. RELATED DOCUMENTS

Doc ID	Title
IS_1498236	AS - Architecture Specifications – Log analytics

3. PREREQUISITES

Machine in AWS VPC in 3 AZ.

Valid PKI certificate related to DNS Alias and FQDN of these EC2 in a JKS deploy on the GIT.

Using the right TAG identify in Version.

Read the readme file for the Kafka project in Gitlab.

ssh://git@emea-aws-gitlab.sanofi.com:2222/integrationservices/kafka/kafkatibco.git

Connect :

<http://awx-ships.pharma.aventis.com/#/login> with you AD account or local account.

4. CREATE AN INVENTORY

Verify/Define all variable related to the desired env example-<env>.yml .

Create Inventory PRIMS – <PROJET> - <ENV> related of previous information's.

Use PRIMS KAFKA DEV as example.

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INVENTORIES / PRIMS KAFKA UAT

PRIMS KAFKA UAT

DETAILS PERMISSIONS GROUPS HOSTS SOURCES COMPLETED JOBS

* NAME: PRIMS KAFKA UAT

DESCRIPTION:

* ORGANIZATION: PRIMS

INSIGHTS CREDENTIAL:

INSTANCE GROUPS:

VARIABLES

```

1 ---
2 kafka_certificate: "aws-kafka-uat.jks"
3 kafka_serviceaccount: "psimeta"
4 kafka_allas_server1: aws-kafka01t.pharma.aventis.com
5 kafka_allas_server2: aws-kafka02t.pharma.aventis.com
6 kafka_allas_server3: aws-kafka03t.pharma.aventis.com

```

CANCEL SAVE

<https://emea-aws-gitlab.sanofi.com:3001/integrationservices/kafka/kafkatibco/-/raw/master/variable.example.yml>

On every host define the specifics variable related of host location and ID

“brokerid” must be unique and start from 1 peer cluster.

```

brokerrack: az1
brokerid: 1

```

5. LINK THE PROJECT VERSION

Modify the project TAG related to the right version.

PROJECTS / PRIMS KAFKA AWS

PRIMS KAFKA AWS

DETAILS PERMISSIONS NOTIFICATIONS JOB TEMPLATES SCHEDULES

* NAME: PRIMS KAFKA AWS

DESCRIPTION:

* ORGANIZATION: Default

* SCM TYPE: Git

SOURCE DETAILS

* SCM URL: ssh://git@emea-aws-gitlab.sanofi.com:2222/integrationservices/kafka/

SCM BRANCH/TAG: v1.0.8

SCM CREDENTIAL: key for e0308814

ANSIBLE ENVIRONMENT: Use Default Environment

CLEAN, DELETE ON UPDATE, UPDATE REVISION ON LAUNCH, ALLOW BRANCH OVERRIDE

CACHE TIMEOUT (SECONDS): 0

CANCEL SAVE

Verify you project is sync. (Green)

6. INSTALLATION OF KAFKA WITH THE ANSIBLE FORMULA.

Duplicate the previous ENV template and adapt it with the right inventory.

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Launch the template.

Check the Log and Identify if there is a fail

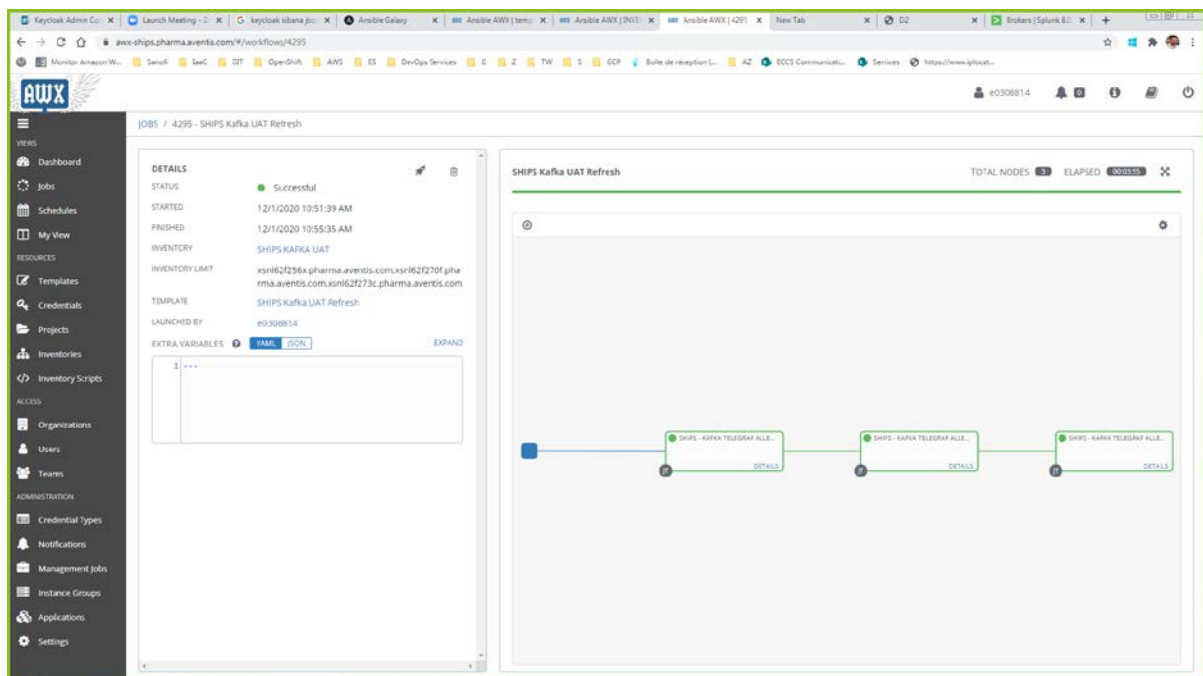
7. INSTALLATION OF KAFKA WITH THE ANSIBLE WORKFLOW.

You could launch several template in the right order via a workflow.

This workflow will go to next step only if previous was OK.

Manage on workflow peer env.

Launch Workflow after a change management process.



Limite the workflow to the right scope to take no risk.

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