

MuleSoft Setup

(Configured for CeG)

MuleSoft Onprem Server Setup at CeG (eGov, Karnataka)



Version : V1.1

**Document Control**

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**Table of Contents**

[**Introduction**](#_gjdgxs) **7**

[Where do you get the software ?](#_4d34og8) 7

[Login to Anypoint Support](#_n3e295n3e2qk) 7

[Environments Setup](#_1w2k8w8wihkp) 12

[Dev](#_fiyugm1noy5k) 12

[Stage](#_msuf7dbe55pm) 13

[Production - Active](#_6k1we1ub1xk1) 13

[Production - Passive](#_bsek1emx78o) 15

[**JDK Setup Information**](#_yzm8wh827z62) **16**

[Install JDK](#_svl6hm9o32tz) 16

[Verify JAVA\_HOME](#_g0x8lw4gbhx4) 16

[Setup JAVA\_HOME](#_g5zcvhaa5weo) 16

[**Setup MULE\_HOME**](#_jg8bdvc4o3bi) **16**

[**Install MuleRuntime Engine**](#_in15m9jm3li) **17**

[**Test MuleRuntime (Before License)**](#_vgc3ru9mvx82) **17**

[Server 1 Dev](#_8mrsu8sfrnrq) 17

[Server 2 Stage](#_709tawfcr32i) 19

[Server 3 Production](#_et8zj1n4lo2w) 20

[Server 4 Production (Passive)](#_toxra1fsyi7m) 21

[**Install License**](#_8i70r4qxf5n) **22**

[**Test MuleTime (After License)**](#_sybmqf5xdb5u) **23**

[Server 1 Dev](#_bybzvqqxf8yn) 23

[Server 2 Stage](#_cvj298vccb3j) 24

[Server 3 Production](#_qboij67pio91) 26

[Server 4 Production (Passive)](#_6763tfsnoo1n) 27

[**References**](#_90ypc8x7a6e2) **28**

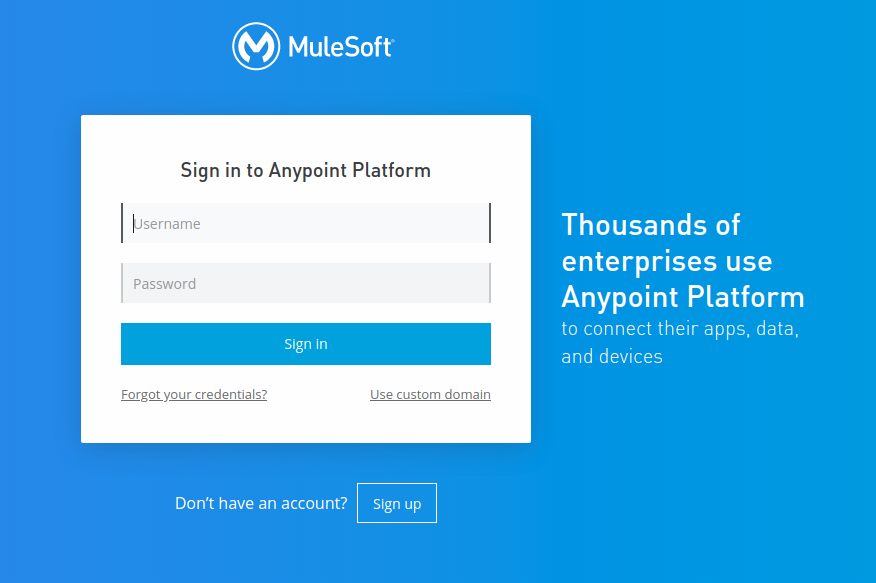
# Introduction

This document helps in understanding how the mulesoft runtime has to be installed in Linux RedHad distribution. In the current scenario where the mule runtimes are being installed, the native VM OS instances are already installed and as provided to us.

This rundown shows the before and after license installation and also indicates the server installations status

## Where do you get the software ?

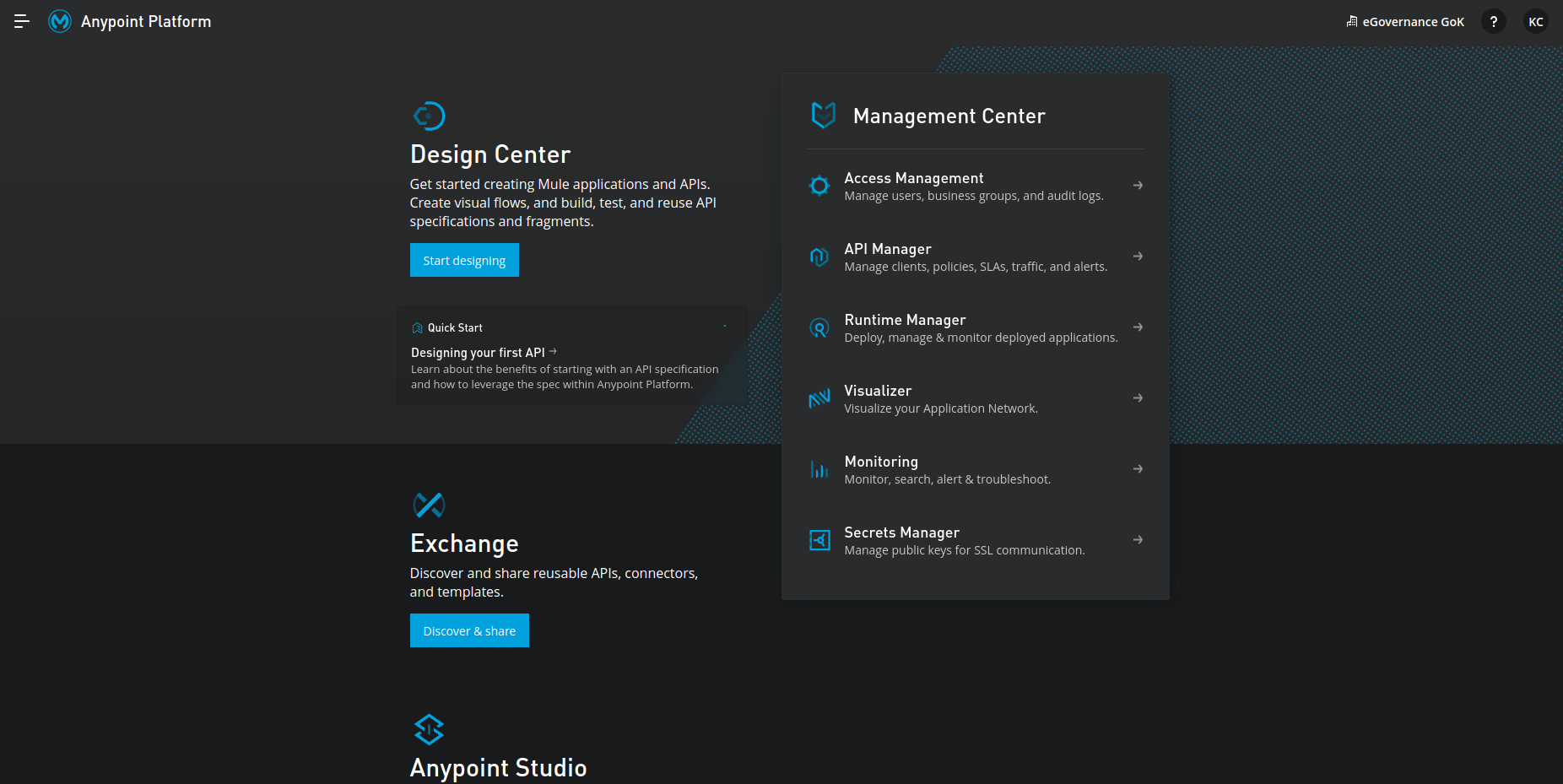
### Login to Anypoint Support

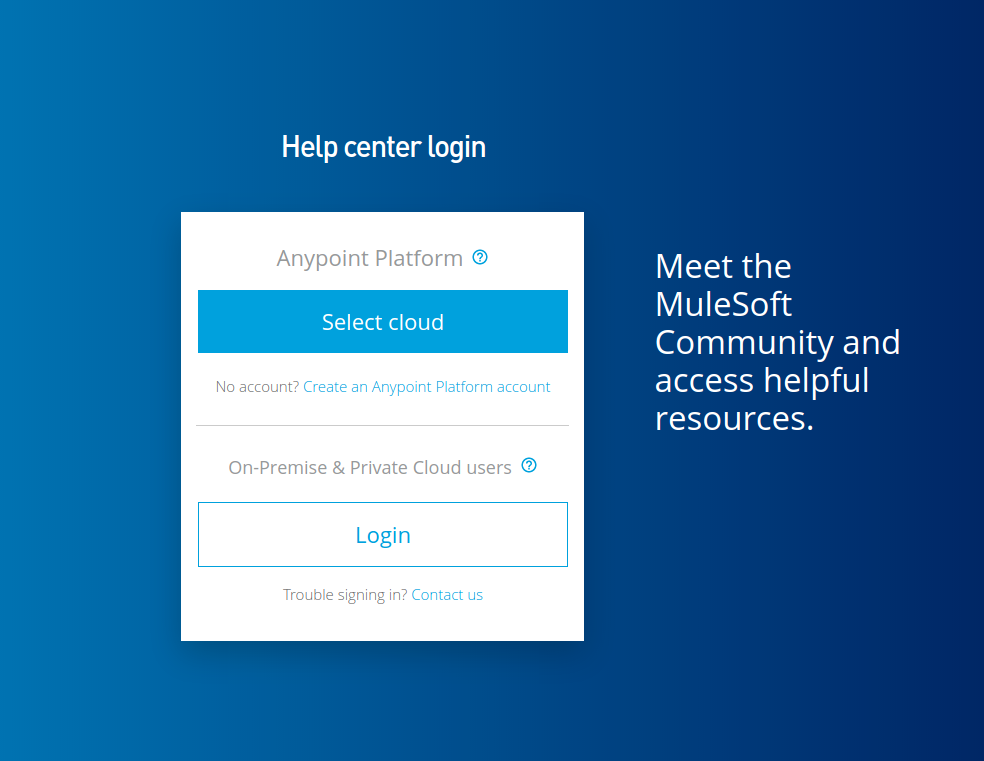


**Link** : <https://anypoint.mulesoft.com/login/>

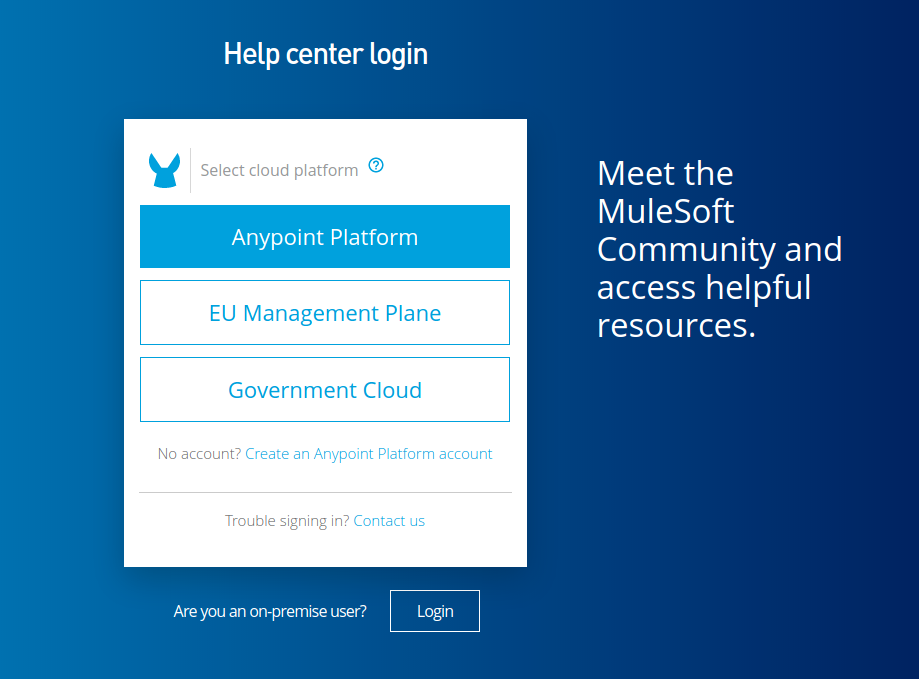
**Username** : gok-esb-admin

**Password** : C\*\*\*\*\*\*\*\*

* + 1. Click on Support Center
    2. Click on Select Cloud

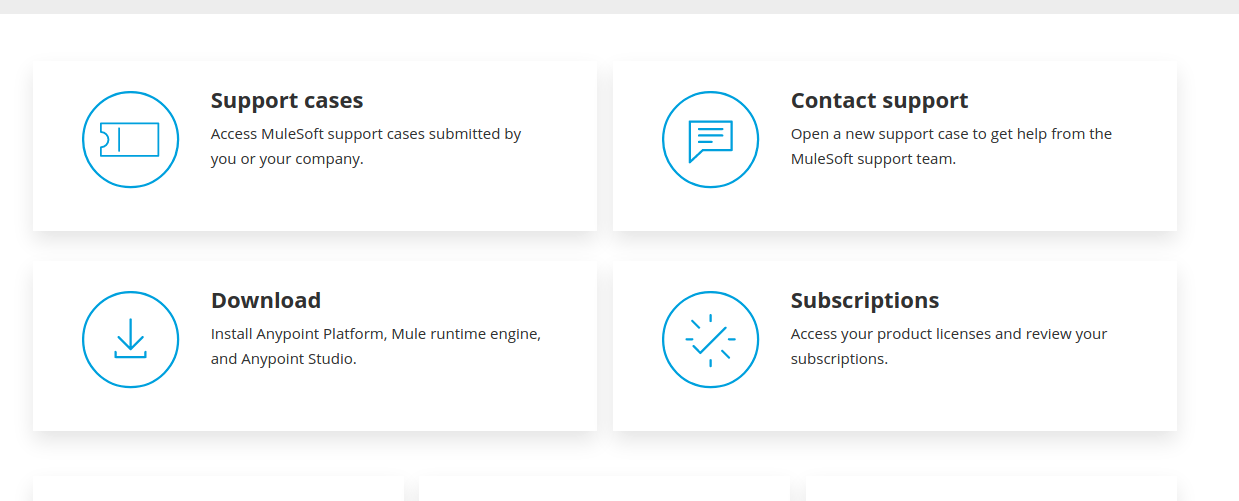


* + 1. Click on Select Cloud
    2. Choose Anypoint Platform

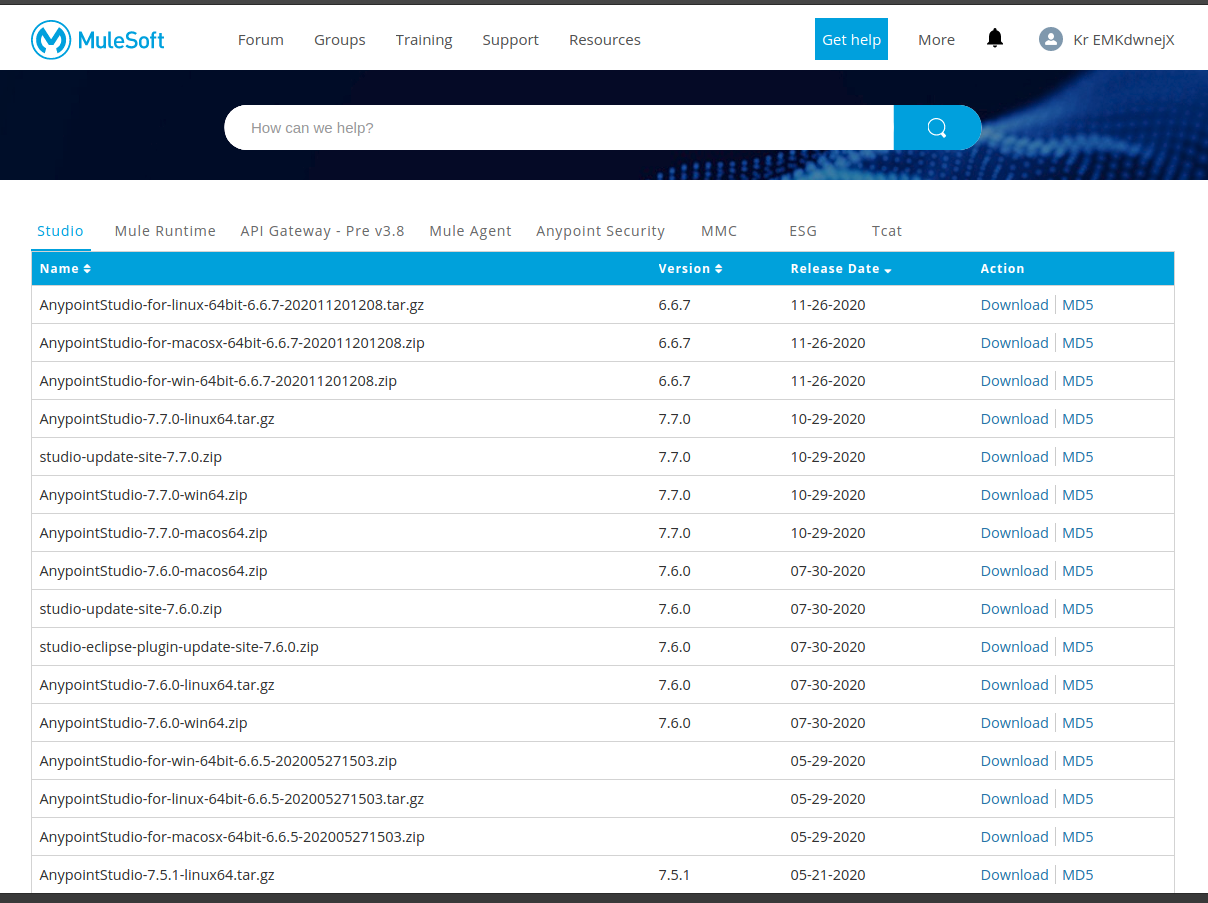


* + 1. Click on Downloads

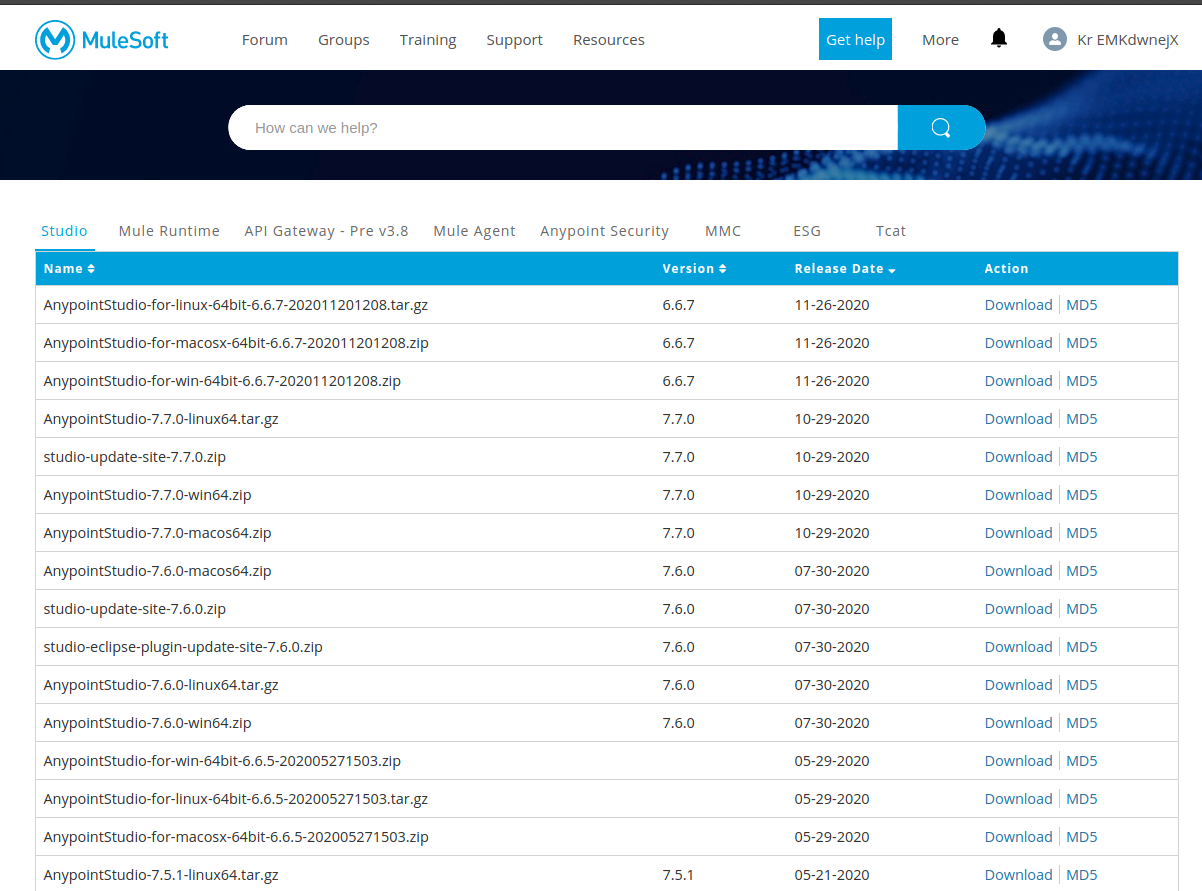
Here you can choose important softwares needed for MuleSoft on prem / Development



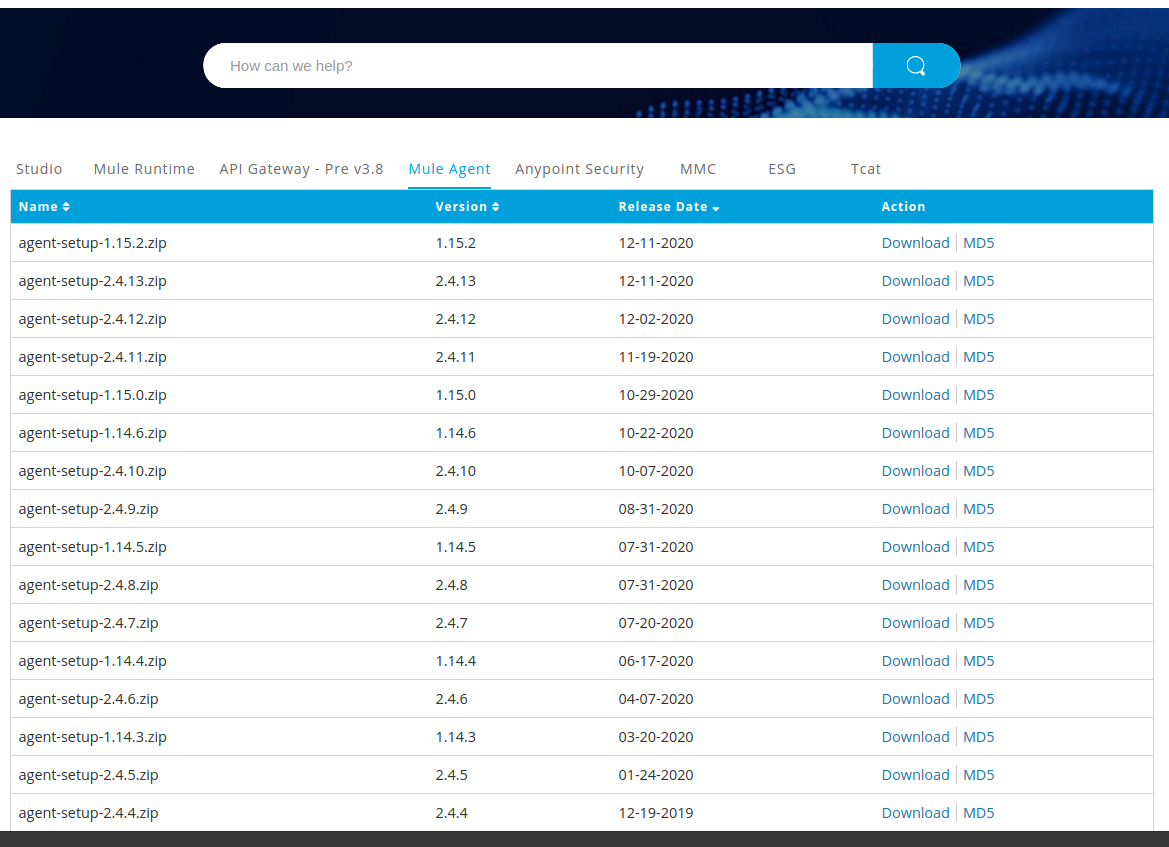
* + - 1. Anypoint Studio IDE



* + - 1. Mule Runtime



* + - 1. Mule Agent



## Environments Setup

## Dev

|  |  |
| --- | --- |
|  |  |
| CEG-ESB-AP-VP01 | 10.10.29.243 |
| Static hostname: CEG-ESB-AP-VP01  Icon name: computer-vm  Chassis: vm  Machine ID: 9eb74a7eed5e43ae95eff319cc8baec6  Boot ID: 206a5feb120545d9aa88c7567f3ff185  Virtualization: vmware  Operating System: Red Hat Enterprise Linux 8.2 (Ootpa)  CPE OS Name: cpe:/o:redhat:enterprise\_linux:8.2:GA  Kernel: Linux 4.18.0-80.el8.x86\_64  Architecture: x86-64  [ceguser@CEG-ESB-AP-VP01 mule]$  JAVA : java-1.8.0-openjdk-1.8.0.265.b01-0.el8\_2.x86\_64 | |
| Login Name : ceguser | Password : Ce\*\*\*\*\*\*\*\*\*\* | |

## Stage

|  |  |
| --- | --- |
|  |  |
| CEG-ESB-AP-VP02 | 10.10.29.244 |
| Static hostname: CEG-ESB-AP-VP02  Icon name: computer-vm  Chassis: vm  Machine ID: 9eb74a7eed5e43ae95eff319cc8baec6  Boot ID: 9a9a7e47a2804ab6867da99da3135bd3  Virtualization: vmware  Operating System: Red Hat Enterprise Linux 8.2 (Ootpa)  CPE OS Name: cpe:/o:redhat:enterprise\_linux:8.2:GA  Kernel: Linux 4.18.0-80.el8.x86\_64  Architecture: x86-64  [ceguser@CEG-ESB-AP-VP02 mule]$  JAVA : java-1.8.0-openjdk-1.8.0.265.b01-0.el8\_2.x86\_64 | |
| Login Name : ceguser | Password : Ce\*\*\*\*\*\*\*\*\*\* | |

## Production - Active

|  |  |
| --- | --- |
|  |  |
| CEG-ESB-AP-VP03 | 10.10.29.245 |
| Static hostname: CEG-ESB-AP-VP03  Icon name: computer-vm  Chassis: vm  Machine ID: 9eb74a7eed5e43ae95eff319cc8baec6  Boot ID: 57b88b6a93b8451b89734aedf89b8a16  Virtualization: vmware  Operating System: Red Hat Enterprise Linux 8.2 (Ootpa)  CPE OS Name: cpe:/o:redhat:enterprise\_linux:8.2:GA  Kernel: Linux 4.18.0-80.el8.x86\_64  Architecture: x86-64  [ceguser@CEG-ESB-AP-VP03 home]$  JAVA : java-1.8.0-openjdk-1.8.0.265.b01-0.el8\_2.x86\_64 | |
| Login Name : ceguser | Password : Ce\*\*\*\*\*\*\*\*\*\* | |

## Production - Passive

|  |  |
| --- | --- |
|  |  |
| CEG-ESB-AP-VP04 | 10.10.29.246 |
| Static hostname: CEG-ESB-AP-VP04  Icon name: computer-vm  Chassis: vm  Machine ID: 9eb74a7eed5e43ae95eff319cc8baec6  Boot ID: e8ba32cfb73e49f7b88c84b654e84abf  Virtualization: vmware  Operating System: Red Hat Enterprise Linux 8.2 (Ootpa)  CPE OS Name: cpe:/o:redhat:enterprise\_linux:8.2:GA  Kernel: Linux 4.18.0-193.19.1.el8\_2.x86\_64  Architecture: x86-64  [ceguser@CEG-ESB-AP-VP04 logs]$  JAVA : java-1.8.0-openjdk-1.8.0.265.b01-0.el8\_2.x86\_64 | |
| Login Name : ceguser | Password : Ce\*\*\*\*\*\*\*\*\*\* | |

# JDK Setup Information

## Install JDK

* Install either Open JDK from here (<https://openjdk.java.net/install>) or Oracle JDK from here (<https://www.oracle.com/in/java/technologies/javase-jdk15-downloads.html>)

## Verify JAVA\_HOME

* Check if the java home is set to respective JDK’s, you can check this by typing following command in terminal window

|  |
| --- |
| [ceguser@ceg-app-vp06 ~]$ echo $JAVA\_HOME  /usr/lib/jvm/java-1.8.0-openjdk-1.8.0.265.b01-0.el8\_2.x86\_64/jre |

* Download MuleRuntime Environment
* The link is available from you can download the MuleRunTime binaries, from here (<https://help.mulesoft.com/s/support>)
* For this installation, we have chosen **mule-ee-distribution-standalone-4.3.0** as this is the latest version as of this runtime configuration.

## Setup JAVA\_HOME

|  |
| --- |
| Under ~/.bashrc, add following entries if already not available.  export JAVA\_HOME=/usr/lib/jvm/java-1.8.0-openjdk-1.8.0.265.b01-0.el8\_2.x86\_64/jre  export PATH=$PATH:$JAVA\_HOME/bin  export CLASSPATH=.:$JAVA\_HOME/jre/lib:$JAVA\_HOME/lib:$JAVA\_HOME/lib/tools.jar |

# Setup MULE\_HOME

* Under ~/.bashrc, add following Mulesoft Home entry

|  |
| --- |
| export MULE\_HOME = /opt/mule/ |

# Install MuleRuntime Engine

1. Create a directory under /opt as ‘mule’
2. Navigate to /opt/mule
3. Explode the **mule-ee-distribution-standalone-4.3.0**.**tar** file downloaded from step 3 under

# Test MuleRuntime (Before License)

* From the terminal, run following $MULE\_HOME/bin/mule and you should see following output.

|  |
| --- |
| [ceguser@ceg-app-vp06 ~]$ sudo $MULE\_HOME/bin/mule |

### Server 1 Dev

|  |
| --- |
| Running in console (foreground) mode by default, use Ctrl-C to exit...  MULE\_HOME is set to /opt/mule/mule-enterprise-standalone-4.3.0  MULE\_BASE is set to /opt/mule/mule-enterprise-standalone-4.3.0  Running Mule Enterprise Edition...  --> Wrapper Started as Console  Java Service Wrapper Standard Edition 64-bit 3.5.37  Copyright (C) 1999-2018 Tanuki Software, Ltd. All Rights Reserved.  http://wrapper.tanukisoftware.com  Licensed to MuleSoft Inc. for Mule Runtime Enterprise Edition  Launching a JVM...  Starting the Mule Container...  WrapperManager: Initializing...  Valid license key --> Evaluation = true, Expiration Date = Fri Oct 30 00:00:00 EDT 2020, Contact Name = MuleSoft Support, Contact Email Address = support@mulesoft.com, Contact Telephone = support@mulesoft.com, Contact Company = MuleSoft, Contact Country = US, Entitlements =  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  \* \*  \* ((((((((((((((((((( \*  \* ((((( ((((# \*  \* &((( \*((( \*  \* &((( ((( \*  \* ((( (((% (((# ((( \*  \* (( ((((((( ((((((( ((( \*  \* (( ((((((((( ((((((((( (( \*  \* (( #((((((((((( #((((((((((( ((( \*  \* #(( (((((((((((((( (((((((((((((( (( \*  \* (( (((((( /((((((( ((((((( /(((((( (( \*  \* (( (((((( (((((((&((((((( (((((( (( \*  \* (( ((((( ((((((((((((\* (((((( (( \*  \* (( (((((( \*((((((((( (((((( (( \*  \* (( (((((( ((((((( (((((( ((( \*  \* (( (((((( (((((( (( \*  \* ((# ((((((# ((((((( (( \*  \* ((# (((((((( (((((((( ((( \*  \* ((( ((((((( ((((( ((. \*  \* (( ((( ((( #(( \*  \* /(( ((( \*  \* ((( &((( \*  \* \*((((& &(((( \*  \* ((((((((((((((/ \*  \* \*  \* \_\_\_ \_\_\_ \_ \_\_\_\_\_\_ \_ \_ \*  \* | \/ | | | | \_\_\_ \ | | (\_) \*  \* | . . |\_ \_| | \_\_\_ | |\_/ / \_ \_ \_\_ | |\_ \_ \_ \_\_ \_\_\_ \_\_\_ \*  \* | |\/| | | | | |/ \_ \ | / | | | '\_ \| \_\_| | '\_ ` \_ \ / \_ \ \*  \* | | | | |\_| | | \_\_/ | |\ \ |\_| | | | | |\_| | | | | | | \_\_/ \*  \* \\_| |\_/\\_\_,\_|\_|\\_\_\_| \\_| \\_\\_\_,\_|\_| |\_|\\_\_|\_|\_| |\_| |\_|\\_\_\_| \*  \* \*  \* \*  \* Mule Runtime and Integration Platform \*  \* Version: 4.3.0 Build: 5bb13483 \*  \* MuleSoft, Inc. \*  \* For more information go to \*  \* https://www.mulesoft.com/platform/soa/mule-esb-enterprise \*  Hostname changed from 06 to 01  [ceguser@CEG-ESB-AP-VP01 mule]$ hostnamectl  Static hostname: CEG-ESB-AP-VP01  Icon name: computer-vm  Chassis: vm  Machine ID: 9eb74a7eed5e43ae95eff319cc8baec6  Boot ID: 206a5feb120545d9aa88c7567f3ff185  Virtualization: vmware  Operating System: Red Hat Enterprise Linux 8.2 (Ootpa)  CPE OS Name: cpe:/o:redhat:enterprise\_linux:8.2:GA  Kernel: Linux 4.18.0-80.el8.x86\_64  Architecture: x86-64  [ceguser@CEG-ESB-AP-VP01 mule]$ |

### Server 2 Stage

|  |
| --- |
| Running in console (foreground) mode by default, use Ctrl-C to exit...  MULE\_HOME is set to /opt/mule/mule-enterprise-standalone-4.3.0  MULE\_BASE is set to /opt/mule/mule-enterprise-standalone-4.3.0  Running Mule Enterprise Edition...  --> Wrapper Started as Console  Java Service Wrapper Standard Edition 64-bit 3.5.37  Copyright (C) 1999-2018 Tanuki Software, Ltd. All Rights Reserved.  http://wrapper.tanukisoftware.com  Licensed to MuleSoft Inc. for Mule Runtime Enterprise Edition  Launching a JVM...  Starting the Mule Container...  WrapperManager: Initializing...  Valid license key --> Evaluation = true, Expiration Date = Fri Oct 30 00:00:00 EDT 2020, Contact Name = MuleSoft Suppor t, Contact Email Address = support@mulesoft.com, Contact Telephone = support@mulesoft.com, Contact Company = MuleSoft, Contact Country = US, Entitlements =  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  \* \*  \* ((((((((((((((((((( \*  \* ((((( ((((# \*  \* &((( \*((( \*  \* &((( ((( \*  \* ((( (((% (((# ((( \*  \* (( ((((((( ((((((( ((( \*  \* (( ((((((((( ((((((((( (( \*  \* (( #((((((((((( #((((((((((( ((( \*  \* #(( (((((((((((((( (((((((((((((( (( \*  \* (( (((((( /((((((( ((((((( /(((((( (( \*  \* (( (((((( (((((((&((((((( (((((( (( \*  \* (( ((((( ((((((((((((\* (((((( (( \*  \* (( (((((( \*((((((((( (((((( (( \*  \* (( (((((( ((((((( (((((( ((( \*  \* (( (((((( (((((( (( \*  \* ((# ((((((# ((((((( (( \*  \* ((# (((((((( (((((((( ((( \*  \* ((( ((((((( ((((( ((. \*  \* (( ((( ((( #(( \*  \* /(( ((( \*  \* ((( &((( \*  \* \*((((& &(((( \*  \* ((((((((((((((/ \*  \* \*  \* \_\_\_ \_\_\_ \_ \_\_\_\_\_\_ \_ \_ \*  \* | \/ | | | | \_\_\_ \ | | (\_) \*  \* | . . |\_ \_| | \_\_\_ | |\_/ / \_ \_ \_\_ | |\_ \_ \_ \_\_ \_\_\_ \_\_\_ \*  \* | |\/| | | | | |/ \_ \ | / | | | '\_ \| \_\_| | '\_ ` \_ \ / \_ \ \*  \* | | | | |\_| | | \_\_/ | |\ \ |\_| | | | | |\_| | | | | | | \_\_/ \*  \* \\_| |\_/\\_\_,\_|\_|\\_\_\_| \\_| \\_\\_\_,\_|\_| |\_|\\_\_|\_|\_| |\_| |\_|\\_\_\_| \*  \* \*  \* \*  \* Mule Runtime and Integration Platform \*  \* Version: 4.3.0 Build: 5bb13483 \*  \* MuleSoft, Inc. \*  \* For more information go to \*  \* https://www.mulesoft.com/platform/soa/mule-esb-enterprise \*  \* \* |

### Server 3 Production

|  |
| --- |
| Running in console (foreground) mode by default, use Ctrl-C to exit...  MULE\_HOME is set to /opt/mule/mule-enterprise-standalone-4.3.0  MULE\_BASE is set to /opt/mule/mule-enterprise-standalone-4.3.0  Running Mule Enterprise Edition...  --> Wrapper Started as Console  Java Service Wrapper Standard Edition 64-bit 3.5.37  Copyright (C) 1999-2018 Tanuki Software, Ltd. All Rights Reserved.  http://wrapper.tanukisoftware.com  Licensed to MuleSoft Inc. for Mule Runtime Enterprise Edition  Launching a JVM...  Starting the Mule Container...  WrapperManager: Initializing...  Valid license key --> Evaluation = true, Expiration Date = Fri Oct 30 00:00:00 EDT 2020, Contact Name = MuleSoft Support, Contact Email Address = support@mulesoft.com, Contact Telephone = support@mulesoft.com, Contact Company = MuleSoft, Contact Country = US, Entitlements =  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  \* \*  \* ((((((((((((((((((( \*  \* ((((( ((((# \*  \* &((( \*((( \*  \* &((( ((( \*  \* ((( (((% (((# ((( \*  \* (( ((((((( ((((((( ((( \*  \* (( ((((((((( ((((((((( (( \*  \* (( #((((((((((( #((((((((((( ((( \*  \* #(( (((((((((((((( (((((((((((((( (( \*  \* (( (((((( /((((((( ((((((( /(((((( (( \*  \* (( (((((( (((((((&((((((( (((((( (( \*  \* (( ((((( ((((((((((((\* (((((( (( \*  \* (( (((((( \*((((((((( (((((( (( \*  \* (( (((((( ((((((( (((((( ((( \*  \* (( (((((( (((((( (( \*  \* ((# ((((((# ((((((( (( \*  \* ((# (((((((( (((((((( ((( \*  \* ((( ((((((( ((((( ((. \*  \* (( ((( ((( #(( \*  \* /(( ((( \*  \* ((( &((( \*  \* \*((((& &(((( \*  \* ((((((((((((((/ \*  \* \*  \* \_\_\_ \_\_\_ \_ \_\_\_\_\_\_ \_ \_ \*  \* | \/ | | | | \_\_\_ \ | | (\_) \*  \* | . . |\_ \_| | \_\_\_ | |\_/ / \_ \_ \_\_ | |\_ \_ \_ \_\_ \_\_\_ \_\_\_ \*  \* | |\/| | | | | |/ \_ \ | / | | | '\_ \| \_\_| | '\_ ` \_ \ / \_ \ \*  \* | | | | |\_| | | \_\_/ | |\ \ |\_| | | | | |\_| | | | | | | \_\_/ \*  \* \\_| |\_/\\_\_,\_|\_|\\_\_\_| \\_| \\_\\_\_,\_|\_| |\_|\\_\_|\_|\_| |\_| |\_|\\_\_\_| \*  \* \* |

### Server 4 Production (Passive)

|  |
| --- |
| Running in console (foreground) mode by default, use Ctrl-C to exit...  MULE\_HOME is set to /opt/mule/mule-enterprise-standalone-4.3.0  MULE\_BASE is set to /opt/mule/mule-enterprise-standalone-4.3.0  Running Mule Enterprise Edition...  --> Wrapper Started as Console  Java Service Wrapper Standard Edition 64-bit 3.5.37  Copyright (C) 1999-2018 Tanuki Software, Ltd. All Rights Reserved.  http://wrapper.tanukisoftware.com  Licensed to MuleSoft Inc. for Mule Runtime Enterprise Edition  Launching a JVM...  Starting the Mule Container...  WrapperManager: Initializing...  Valid license key --> Evaluation = true, Expiration Date = Fri Oct 30 00:00:00 EDT 2020, Contact Name = MuleSoft Support, Contact Email Address = support@mulesoft.com, Contact Telephone = support@mulesoft.com, Contact Company = MuleSoft, Contact Country = US, Entitlements =  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  \* \*  \* ((((((((((((((((((( \*  \* ((((( ((((# \*  \* &((( \*((( \*  \* &((( ((( \*  \* ((( (((% (((# ((( \*  \* (( ((((((( ((((((( ((( \*  \* (( ((((((((( ((((((((( (( \*  \* (( #((((((((((( #((((((((((( ((( \*  \* #(( (((((((((((((( (((((((((((((( (( \*  \* (( (((((( /((((((( ((((((( /(((((( (( \*  \* (( (((((( (((((((&((((((( (((((( (( \*  \* (( ((((( ((((((((((((\* (((((( (( \*  \* (( (((((( \*((((((((( (((((( (( \*  \* (( (((((( ((((((( (((((( ((( \*  \* (( (((((( (((((( (( \*  \* ((# ((((((# ((((((( (( \*  \* ((# (((((((( (((((((( ((( \*  \* ((( ((((((( ((((( ((. \*  \* (( ((( ((( #(( \*  \* /(( ((( \*  \* ((( &((( \*  \* \*((((& &(((( \*  \* ((((((((((((((/ \*  \* \*  \* \_\_\_ \_\_\_ \_ \_\_\_\_\_\_ \_ \_ \*  \* | \/ | | | | \_\_\_ \ | | (\_) \*  \* | . . |\_ \_| | \_\_\_ | |\_/ / \_ \_ \_\_ | |\_ \_ \_ \_\_ \_\_\_ \_\_\_ \*  \* | |\/| | | | | |/ \_ \ | / | | | '\_ \| \_\_| | '\_ ` \_ \ / \_ \ \*  \* | | | | |\_| | | \_\_/ | |\ \ |\_| | | | | |\_| | | | | | | \_\_/ \*  \* \\_| |\_/\\_\_,\_|\_|\\_\_\_| \\_| \\_\\_\_,\_|\_| |\_|\\_\_|\_|\_| |\_| |\_|\\_\_\_| \*  \* \* |

# Install License

* Take a backup of license.lic file received from Mulesoft / Mulesoft sales representitive
* Copy license.lic to /bin directory
* Run $MULE\_HOME/bin/mule installLicense license.lic form terminal window and you should see following output.

|  |
| --- |
| [ceguser@CEG-ESB-AP-VP02 bin]$ sudo $MULE\_HOME/bin/mule -installLicense license.lic |

# Test MuleTime (After License)

* Run Mule EE Server with on terminal window., you should see this

### Server 1 Dev

|  |
| --- |
| [ceguser@CEG-ESB-AP-VP01 bin]$ sudo $MULE\_HOME/bin/mule  Running in console (foreground) mode by default, use Ctrl-C to exit...  MULE\_HOME is set to /opt/mule/mule-enterprise-standalone-4.3.0  MULE\_BASE is set to /opt/mule/mule-enterprise-standalone-4.3.0  Running Mule Enterprise Edition...  --> Wrapper Started as Console  Java Service Wrapper Standard Edition 64-bit 3.5.37  Copyright (C) 1999-2018 Tanuki Software, Ltd. All Rights Reserved.  http://wrapper.tanukisoftware.com  Licensed to MuleSoft Inc. for Mule Runtime Enterprise Edition  Launching a JVM...  Starting the Mule Container...  WrapperManager: Initializing...  Valid license key --> Evaluation = false, Expiration Date = Sun Sep 26 20:00:00 EDT 2021, Contact Name = P R Chandrashekar, Contact Email Address = src.semt@karnataka.gov.in, Contact Telephone = 0000000000, Contact Company = Government of Karnataka, Contact Country = IN, Entitlements = api-gateway  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  \* \*  \* ((((((((((((((((((( \*  \* ((((( ((((# \*  \* &((( \*((( \*  \* &((( ((( \*  \* ((( (((% (((# ((( \*  \* (( ((((((( ((((((( ((( \*  \* (( ((((((((( ((((((((( (( \*  \* (( #((((((((((( #((((((((((( ((( \*  \* #(( (((((((((((((( (((((((((((((( (( \*  \* (( (((((( /((((((( ((((((( /(((((( (( \*  \* (( (((((( (((((((&((((((( (((((( (( \*  \* (( ((((( ((((((((((((\* (((((( (( \*  \* (( (((((( \*((((((((( (((((( (( \*  \* (( (((((( ((((((( (((((( ((( \*  \* (( (((((( (((((( (( \*  \* ((# ((((((# ((((((( (( \*  \* ((# (((((((( (((((((( ((( \*  \* ((( ((((((( ((((( ((. \*  \* (( ((( ((( #(( \*  \* /(( ((( \*  \* ((( &((( \*  \* \*((((& &(((( \*  \* ((((((((((((((/ \*  \* \*  \* \_\_\_ \_\_\_ \_ \_\_\_\_\_\_ \_ \_ \*  \* | \/ | | | | \_\_\_ \ | | (\_) \*  \* | . . |\_ \_| | \_\_\_ | |\_/ / \_ \_ \_\_ | |\_ \_ \_ \_\_ \_\_\_ \_\_\_ \*  \* | |\/| | | | | |/ \_ \ | / | | | '\_ \| \_\_| | '\_ ` \_ \ / \_ \ \*  \* | | | | |\_| | | \_\_/ | |\ \ |\_| | | | | |\_| | | | | | | \_\_/ \*  \* \\_| |\_/\\_\_,\_|\_|\\_\_\_| \\_| \\_\\_\_,\_|\_| |\_|\\_\_|\_|\_| |\_| |\_|\\_\_\_| \*  \* \*  \* \*  \* Mule Runtime and Integration Platform \*  \* Version: 4.3.0 Build: 5bb13483 \*  \* MuleSoft, Inc. \*  \* For more information go to \*  \* https://www.mulesoft.com/platform/soa/mule-esb-enterprise \*  \* \*  \* Server started: 9/30/20 7:12 AM \*  \* JDK: 1.8.0\_265 (mixed mode) \*  \* JDK properties: \*  \* - java.vendor = Oracle Corporation \*  \* - java.vm.name = OpenJDK 64-Bit Server VM \*  \* - java.home = \*  \* /usr/lib/jvm/java-1.8.0-openjdk-1.8.0.265.b01-0.el8\_2.x86\_64/jre \*  \* OS: Linux (4.18.0-80.el8.x86\_64, amd64) \*  \* Host: CEG-ESB-AP-VP02 (10.10.29.243) |

### Server 2 Stage

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| [ceguser@CEG-ESB-AP-VP02 bin]$ sudo $MULE\_HOME/bin/mule  Running in console (foreground) mode by default, use Ctrl-C to exit...  MULE\_HOME is set to /opt/mule/mule-enterprise-standalone-4.3.0  MULE\_BASE is set to /opt/mule/mule-enterprise-standalone-4.3.0  Running Mule Enterprise Edition...  --> Wrapper Started as Console  Java Service Wrapper Standard Edition 64-bit 3.5.37  Copyright (C) 1999-2018 Tanuki Software, Ltd. All Rights Reserved.  http://wrapper.tanukisoftware.com  Licensed to MuleSoft Inc. for Mule Runtime Enterprise Edition  Launching a JVM...  Starting the Mule Container...  WrapperManager: Initializing...  Valid license key --> Evaluation = false, Expiration Date = Sun Sep 26 20:00:00 EDT 2021, Contact Name = P R Chandrashekar, Contact Email Address = src.semt@karnataka.gov.in, Contact Telephone = 0000000000, Contact Company = Government of Karnataka, Contact Country = IN, Entitlements = api-gateway  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  \* \*  \* ((((((((((((((((((( \*  \* ((((( ((((# \*  \* &((( \*((( \*  \* &((( ((( \*  \* ((( (((% (((# ((( \*  \* (( ((((((( ((((((( ((( \*  \* (( ((((((((( ((((((((( (( \*  \* (( #((((((((((( #((((((((((( ((( \*  \* #(( (((((((((((((( (((((((((((((( (( \*  \* (( (((((( /((((((( ((((((( /(((((( (( \*  \* (( (((((( (((((((&((((((( (((((( (( \*  \* (( ((((( ((((((((((((\* (((((( (( \*  \* (( (((((( \*((((((((( (((((( (( \*  \* (( (((((( ((((((( (((((( ((( \*  \* (( (((((( (((((( (( \*  \* ((# ((((((# ((((((( (( \*  \* ((# (((((((( (((((((( ((( \*  \* ((( ((((((( ((((( ((. \*  \* (( ((( ((( #(( \*  \* /(( ((( \*  \* ((( &((( \*  \* \*((((& &(((( \*  \* ((((((((((((((/ \*  \* \*  \* \_\_\_ \_\_\_ \_ \_\_\_\_\_\_ \_ \_ \*  \* | \/ | | | | \_\_\_ \ | | (\_) \*  \* | . . |\_ \_| | \_\_\_ | |\_/ / \_ \_ \_\_ | |\_ \_ \_ \_\_ \_\_\_ \_\_\_ \*  \* | |\/| | | | | |/ \_ \ | / | | | '\_ \| \_\_| | '\_ ` \_ \ / \_ \ \*  \* | | | | |\_| | | \_\_/ | |\ \ |\_| | | | | |\_| | | | | | | \_\_/ \*  \* \\_| |\_/\\_\_,\_|\_|\\_\_\_| \\_| \\_\\_\_,\_|\_| |\_|\\_\_|\_|\_| |\_| |\_|\\_\_\_| \*  \* \*  \* \*  \* Mule Runtime and Integration Platform \*  \* Version: 4.3.0 Build: 5bb13483 \*  \* MuleSoft, Inc. \*  \* For more information go to \*  \* https://www.mulesoft.com/platform/soa/mule-esb-enterprise \*  \* \*  \* Server started: 9/30/20 7:18 AM \*  \* JDK: 1.8.0\_265 (mixed mode) \*  \* JDK properties: \*  \* - java.vendor = Oracle Corporation \*  \* - java.vm.name = OpenJDK 64-Bit Server VM \*  \* - java.home = \*  \* /usr/lib/jvm/java-1.8.0-openjdk-1.8.0.265.b01-0.el8\_2.x86\_64/jre \*  \* OS: Linux (4.18.0-80.el8.x86\_64, amd64) \*  \* Host: CEG-ESB-AP-VP02 (10.10.29.244) \* |

### Server 3 Production

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| Running in console (foreground) mode by default, use Ctrl-C to exit...  MULE\_HOME is set to /opt/mule/mule-enterprise-standalone-4.3.0  MULE\_BASE is set to /opt/mule/mule-enterprise-standalone-4.3.0  Running Mule Enterprise Edition...  --> Wrapper Started as Console  Java Service Wrapper Standard Edition 64-bit 3.5.37  Copyright (C) 1999-2018 Tanuki Software, Ltd. All Rights Reserved.  http://wrapper.tanukisoftware.com  Licensed to MuleSoft Inc. for Mule Runtime Enterprise Edition  Launching a JVM...  Starting the Mule Container...  WrapperManager: Initializing...  Valid license key --> Evaluation = false, Expiration Date = Sun Sep 26 20:00:00 EDT 2021, Contact Name = P R Chandrashekar, Contact Email Address = src.semt@karnataka.gov.in, Contact Telephone = 0000000000, Contact Company = Government of Karnataka, Contact Country = IN, Entitlements = api-gateway  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  \* \*  \* ((((((((((((((((((( \*  \* ((((( ((((# \*  \* &((( \*((( \*  \* &((( ((( \*  \* ((( (((% (((# ((( \*  \* (( ((((((( ((((((( ((( \*  \* (( ((((((((( ((((((((( (( \*  \* (( #((((((((((( #((((((((((( ((( \*  \* #(( (((((((((((((( (((((((((((((( (( \*  \* (( (((((( /((((((( ((((((( /(((((( (( \*  \* (( (((((( (((((((&((((((( (((((( (( \*  \* (( ((((( ((((((((((((\* (((((( (( \*  \* (( (((((( \*((((((((( (((((( (( \*  \* (( (((((( ((((((( (((((( ((( \*  \* (( (((((( (((((( (( \*  \* ((# ((((((# ((((((( (( \*  \* ((# (((((((( (((((((( ((( \*  \* ((( ((((((( ((((( ((. \*  \* (( ((( ((( #(( \*  \* /(( ((( \*  \* ((( &((( \*  \* \*((((& &(((( \*  \* ((((((((((((((/ \*  \* \*  \* \_\_\_ \_\_\_ \_ \_\_\_\_\_\_ \_ \_ \*  \* | \/ | | | | \_\_\_ \ | | (\_) \*  \* | . . |\_ \_| | \_\_\_ | |\_/ / \_ \_ \_\_ | |\_ \_ \_ \_\_ \_\_\_ \_\_\_ \*  \* | |\/| | | | | |/ \_ \ | / | | | '\_ \| \_\_| | '\_ ` \_ \ / \_ \ \*  \* | | | | |\_| | | \_\_/ | |\ \ |\_| | | | | |\_| | | | | | | \_\_/ \*  \* \\_| |\_/\\_\_,\_|\_|\\_\_\_| \\_| \\_\\_\_,\_|\_| |\_|\\_\_|\_|\_| |\_| |\_|\\_\_\_| \*  \* \*  \* \*  \* Mule Runtime and Integration Platform \*  \* Version: 4.3.0 Build: 5bb13483 \*  \* MuleSoft, Inc. \*  \* For more information go to \*  \* https://www.mulesoft.com/platform/soa/mule-esb-enterprise \*  \* \*  \* Server started: 9/30/20 7:41 AM \*  \* JDK: 1.8.0\_265 (mixed mode) \*  \* JDK properties: \*  \* - java.vendor = Oracle Corporation \*  \* - java.vm.name = OpenJDK 64-Bit Server VM \*  \* - java.home = \*  \* /usr/lib/jvm/java-1.8.0-openjdk-1.8.0.265.b01-0.el8\_2.x86\_64/jre \*  \* OS: Linux (4.18.0-80.el8.x86\_64, amd64) \*  \* Host: CEG-ESB-AP-VP03 (10.10.29.245) \* |

### Server 4 Production (Passive)

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| Java Service Wrapper Standard Edition 64-bit 3.5.37  Copyright (C) 1999-2018 Tanuki Software, Ltd. All Rights Reserved.  http://wrapper.tanukisoftware.com  Licensed to MuleSoft Inc. for Mule Runtime Enterprise Edition  Launching a JVM...  Starting the Mule Container...  WrapperManager: Initializing...  Valid license key --> Evaluation = true, Expiration Date = Wed Nov 11 00:00:00 E  ST 2020, Contact Name = MuleSoft Support, Contact Email Address = support@muleso  ft.com, Contact Telephone = support@mulesoft.com, Contact Company = MuleSoft, Co  ntact Country = US, Entitlements =  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  \* \*  \* ((((((((((((((((((( \*  \* ((((( ((((# \*  \* &((( \*((( \*  \* &((( ((( \*  \* ((( (((% (((# ((( \*  \* (( ((((((( ((((((( ((( \*  \* (( ((((((((( ((((((((( (( \*  \* (( #((((((((((( #((((((((((( ((( \*  \* #(( (((((((((((((( (((((((((((((( (( \*  \* (( (((((( /((((((( ((((((( /(((((( (( \*  \* (( (((((( (((((((&((((((( (((((( (( \*  \* (( ((((( ((((((((((((\* (((((( (( \*  \* (( (((((( \*((((((((( (((((( (( \*  \* (( (((((( ((((((( (((((( ((( \*  \* (( (((((( (((((( (( \*  \* ((# ((((((# ((((((( (( \*  \* ((# (((((((( (((((((( ((( \*  \* ((( ((((((( ((((( ((. \*  \* (( ((( ((( #(( \*  \* /(( ((( \*  \* ((( &((( \*  \* \*((((& &(((( \*  \* ((((((((((((((/ \*  \* \*  \* \_\_\_ \_\_\_ \_ \_\_\_\_\_\_ \_ \_ \*  \* | \/ | | | | \_\_\_ \ | | (\_) \*  \* | . . |\_ \_| | \_\_\_ | |\_/ / \_ \_ \_\_ | |\_ \_ \_ \_\_ \_\_\_ \_\_\_ \*  \* | |\/| | | | | |/ \_ \ | / | | | '\_ \| \_\_| | '\_ ` \_ \ / \_ \ \*  \* | | | | |\_| | | \_\_/ | |\ \ |\_| | | | | |\_| | | | | | | \_\_/ \*  \* \\_| |\_/\\_\_,\_|\_|\\_\_\_| \\_| \\_\\_\_,\_|\_| |\_|\\_\_|\_|\_| |\_| |\_|\\_\_\_| \*  \* \*  \* \*  \* Mule Runtime and Integration Platform \*  \* Version: 4.3.0 Build: 5bb13483 \*  \* MuleSoft, Inc. \*  \* For more information go to \*  \* https://www.mulesoft.com/platform/soa/mule-esb-enterprise  \* |

# References

1. <https://docs.mulesoft.com/mule-runtime/4.3/mule-standalone>
2. <https://docs.mulesoft.com/>