

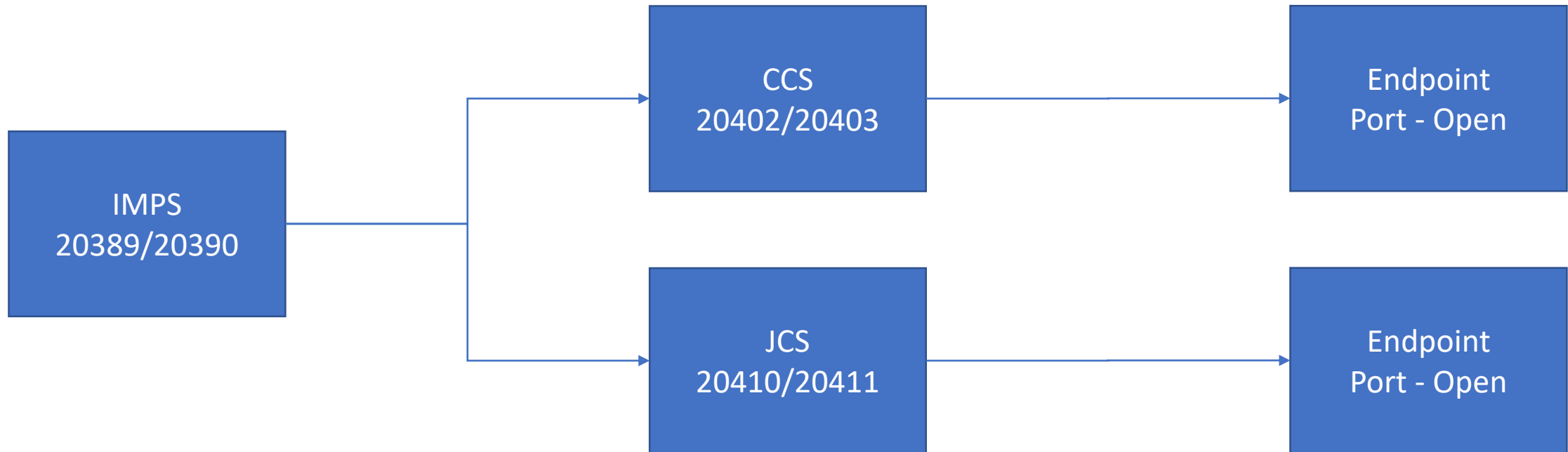
Identity Suite Provisioning Tier

Visual View of Performance Updates

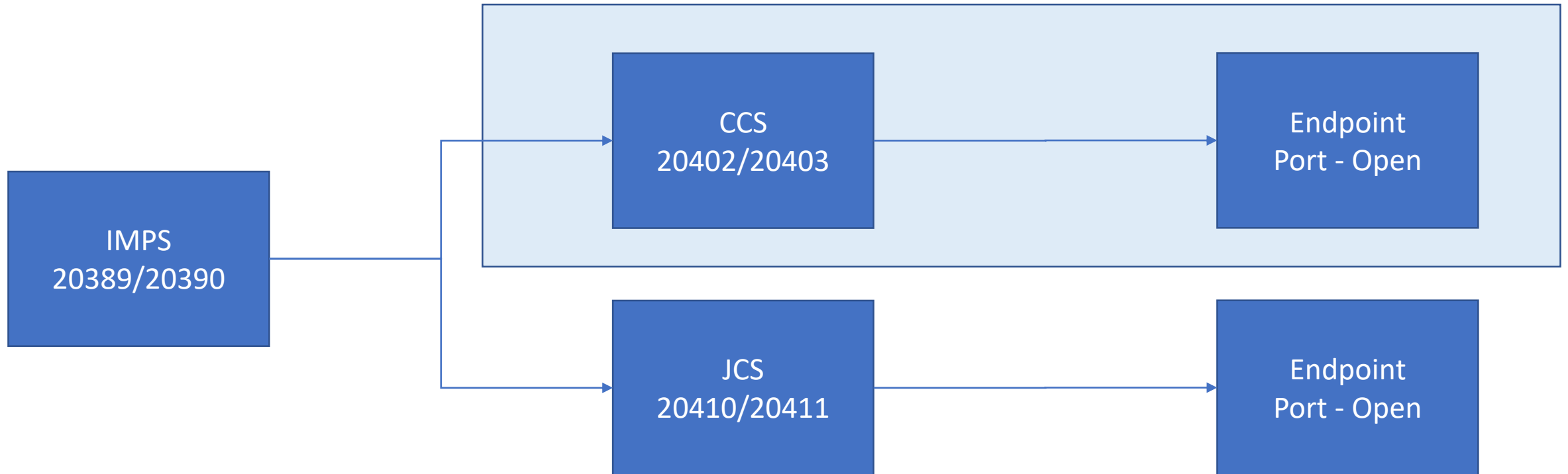
- Identity Suite solution will deploy the provisioning tier with default/broad values that will fit many legacy and new customers.
- To gain scalability, we will review both configuration updates and adjustments to the default architecture.
 - These updates will also include updates to the various managed endpoints/userstore/applications.
- These performance updates will improve the usability and responsiveness within the UI for Identity Portal, Identity Governance, & Identity Manager for provisioning events.

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March 2018

Default OOTB Provisioning Architecture



Goal: Adjust the CCS Provisioning Architecture

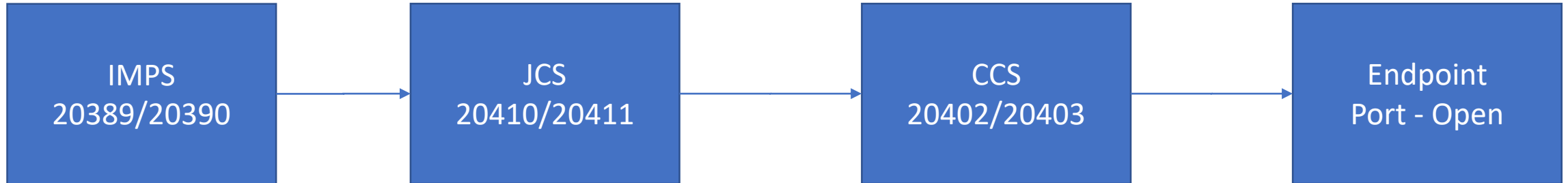


Leverage the IAMCS/JCS Load Balancing Feature

<https://docops.ca.com/cim141/installing/connector-server-installation/install-ca-iam-connector-server>

<https://docops.ca.com/ca-identity-manager-and-governance-connectors/1-0/EN/connectors/dynamic-connectors-connector-xpress/connector-xpress>

<https://docops.ca.com/ca-identity-manager-and-governance-connectors/1-0/EN/connectors/dynamic-connectors-connector-xpress/connector-xpress-utilities/configuration-data-location>



1. Install or re-install to allow the IAMCS/JCS is allowed to manage the CCS Service.

2. The IAMCS service will then act as the “pass-through” services for CCS endpoints.

3. Use CX UI to adjust the “routing rules” to allow JCS to manage all connections.

7. Configure Connector Server C++ Management:

- o None -- Does not install CCS. If you install CCS later, it will not be managed by CA IAM Connector Server.
- o Local -- Installs CCS on the same computer as CA IAM Connector Server. CCS will be managed by CA IAM Connector Server.
- o Remote -- Configures CA IAM Connector Server to manage an existing remote CCS.

8. (Recommended) Register the CA IAM Connector Server installation with a provisioning server.

Tip: We recommend that you always register CA IAM Connector Server with the Provisioning Server. Registering tells the Provisioning Server to use the CA IAM Connector Server being installed to manage all the static connectors that have been deployed to it. If you want a different connector server to manage a specific static or dynamic connector, you can use Connector Xpress to specify the instance of CA IAM Connector Server that you want to manage the connector.

Connector Xpress

Connector Xpress is CA Identity Manager utility for managing dynamic connectors, mapping dynamic connectors to endpoints, and establishing routing rules for endpoints. You can use it to configure dynamic connectors to allow provisioning and management of SQL databases and LDAP directories.

CA IAM Connector Server Routing Rules Hierarchy

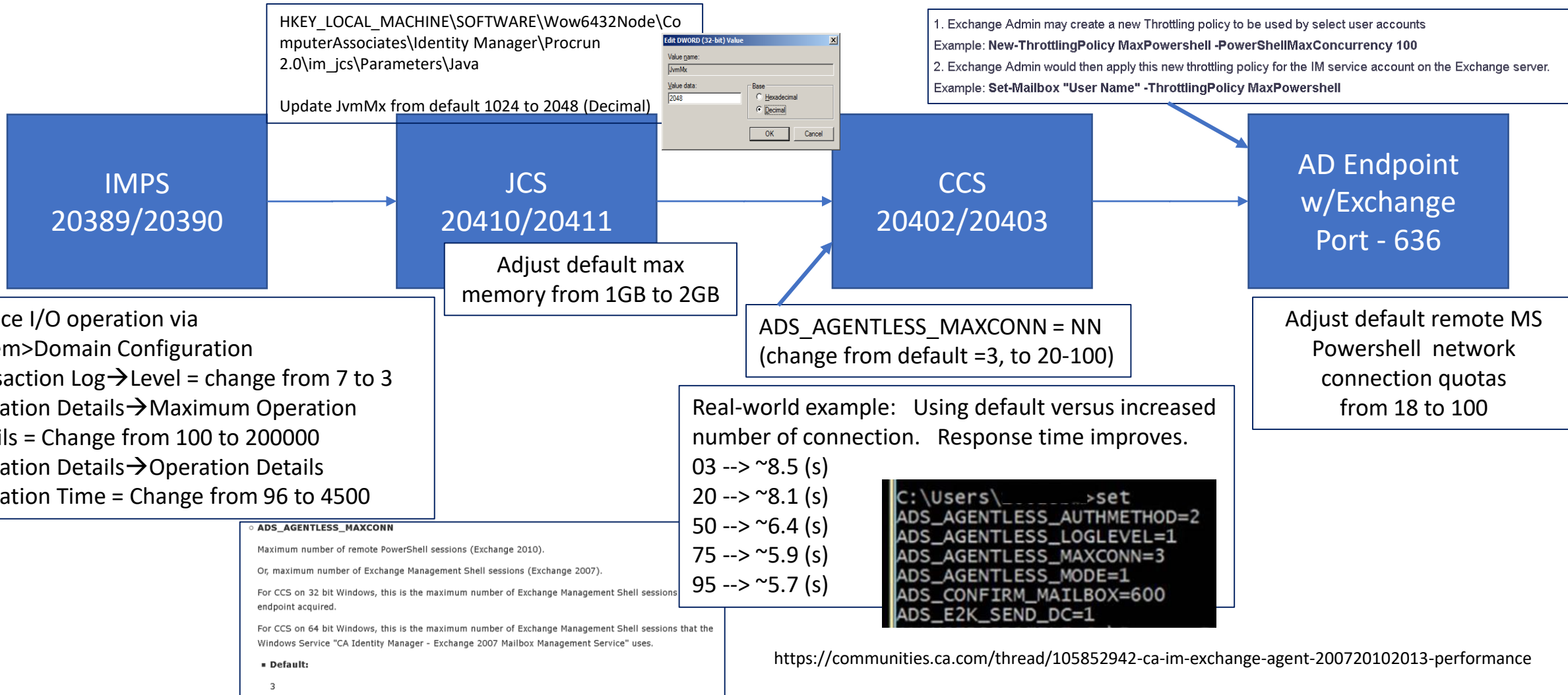
Each CS has an entry under the following:

```
eTSAName=CS_name,eTSAContainerName=SAs,eTNamespaceName=CommonObjects,dc=server,dc=eta
```

For each endpoint type managed by the CS, there is an entry similar to the following:

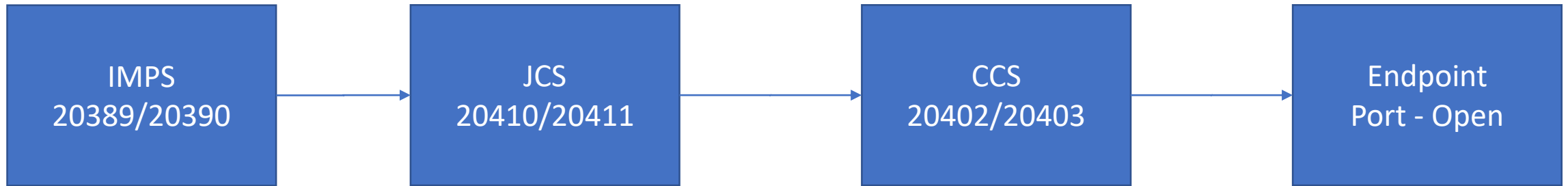
```
eTSABranchDN : eTNamespaceName=Oracle_Server,dc=server
```

Adjust Connection Pools (IM & Endpoint) - AD (with Exchange) Example



<https://communities.ca.com/thread/105852942-ca-im-exchange-agent-200720102013-performance>

Additional Updates: AntiVirus Exclusions



Add Antivirus Exclusions (Windows only)
On all the CA Provisioning Servers, make sure the Antivirus will not scan the following directories and processes:

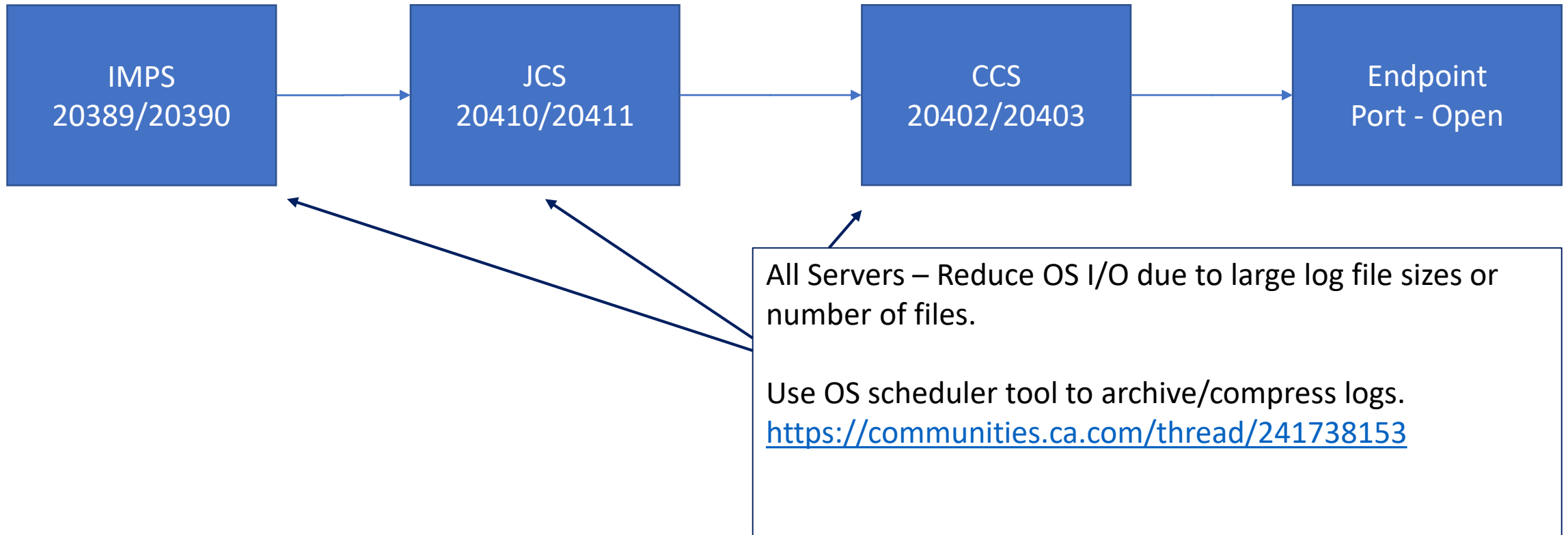
Folders:

- D:\CA
- C:\Program Files (x86)\CA
- C:\Program Files\CA
- D:\data-integration
- D:\CA\IdentityManager\ProvisioningServer\logs
- D:\CA\Identity Manager\Connector Server\logs
- D:\CA\Directory\dxserver\logs

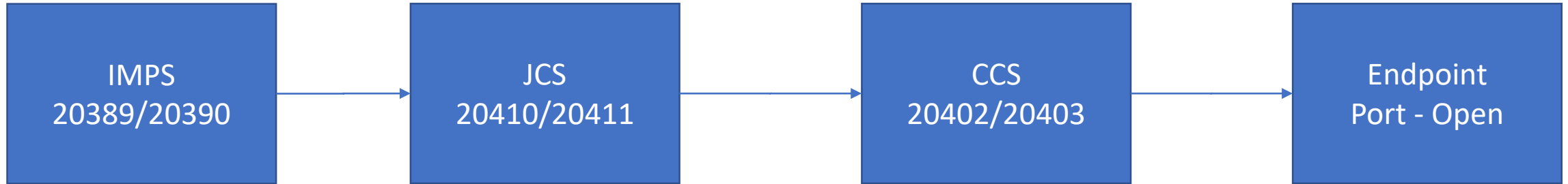
Processes:

- D:\CA\Identity Manager\Provisioning Server\bin\im_ccs.exe
- D:\CA\Identity Manager\Provisioning Server\bin\im_ps.exe
- D:\CA\Identity Manager\Connector Server\bin\jcs.exe
- C:\Program Files (x86)\CA\SharedComponents\CAM\bin\caft.exe
- C:\Program Files (x86)\CA\SharedComponents\CAM\bin\cam.exe
- C:\Program Files (x86)\CA\SharedComponents\Enterprise Common Services\Bin\eTFWService.exe
- C:\Program Files (x86)\CA\SharedComponents\Enterprise Common Services\Bin\eCSLogD.exe
- C:\Program Files (x86)\CA\SharedComponents\Enterprise Common Services\Bin\eCSqdmn.exe
- C:\Program Files (x86)\CA\SharedComponents\Enterprise Common Services\Bin\eCSSafmgr.exe
- D:\CA\Directory\dxserver\bin\dxserver.exe
- D:\CA\Identity Manager\Connector Server\jvm\bin\java.exe
- D:\CA\Identity Manager\Connector Server\jvm\bin\javaw.exe

Additional Updates: Rotate & Archive Logs



Additional Updates: Selectively Disable JCS Paging support on JNDI connectors



- 1) Stop the CA Identity Manager - Connector Server (Java) and CA Identity Manager - Connector Server (C++) services
- 2) Navigate to the D:\CA\Identity Manager\Connector Server\jcs\conf\override\jndi directory.
- 3) Copy the SAMPLE.connector.xml file to a new file named connector.xml.
- 4) Edit the connector.xml file.
- 5) Unmark the lines so they will look like that:

```
</property>  
<!-- protect against endpoint that advertise paged results but don't deliver.-->  
<property name="forcePagedResults">  
  <value>>false</value>  
</property>
```

- 6) Find the following string:

```
<property name="maxActive">  
  <value>20</value>  
</property>
```

Change it to:

```
<property name="maxActive">  
  <value>1000</value>  
</property>
```

- 8) Add the following text:

```
<property name="testOnBorrow">  
  <value>>true</value>  
</property>
```

- 9) Save the file and close the editor.
- 10) Start the CA Identity Manager - Connector Server (Java) and CA Identity Manager - Connector Server (C++) services