Introduction

RCU utility helps in following automated creation of weblogic resources for FCUBS:
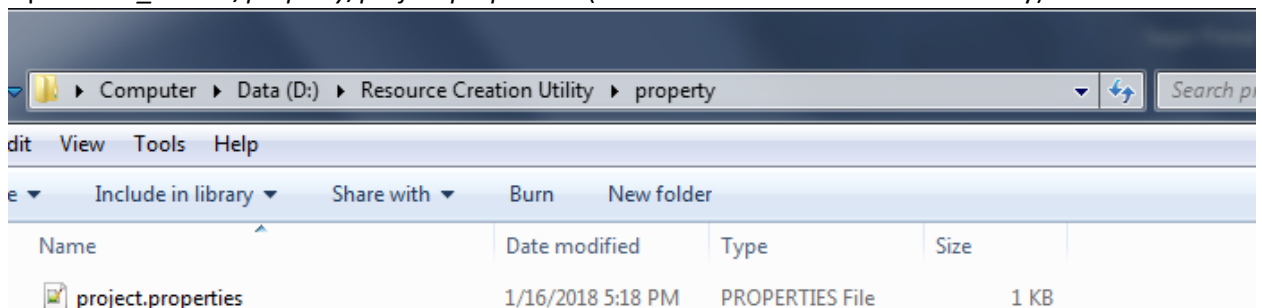
- Manage Server
- File Store
- JMS Server
- Subdeployment
- Queue Connection Factories (Multiple)
- XA Queues (Multiple)
- Queues (Multiple)
- System Module

Sample Case Study

Suppose I need to **create 100 queues** on my server for which I have **already created Managed Server(called MangServer_ITR).** But have not created any JMS Server, Filestore, Subdeployment etc...
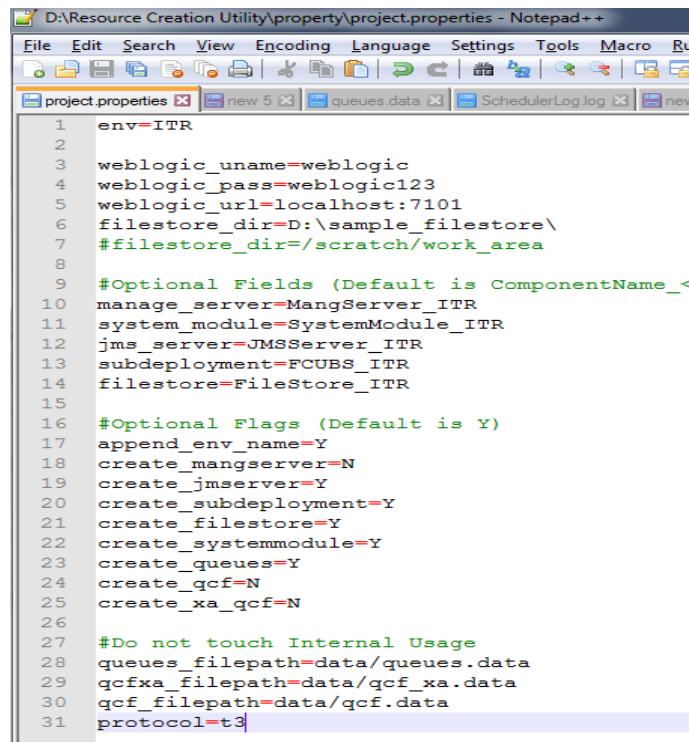
To create these queues, I will follow these steps:

1. Open *'<rcu_home>/property/project.properties'* (RCU means Resource Creation Utility)

2. Check following properties specially

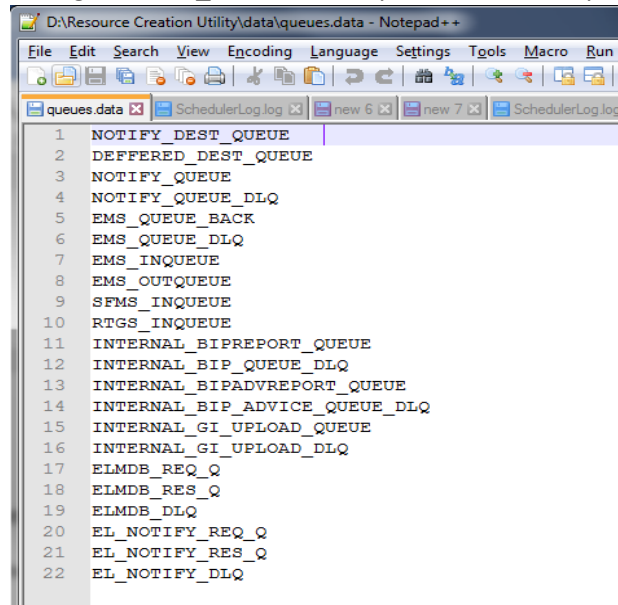| env	Environment Name (like BMOITR, BMOFSH)
weblogic_uname	Weblogic Username
weblogic_pass	Weblogic Password
weblogic_url	Weblogic console URL
filestore_dir	Directory for file store
manage_server	Name of Managed Server

3. Creation of queues of has pre-requisites of JMS Server, Subdeployment, Filestore so those flags are also kept as 'Y'
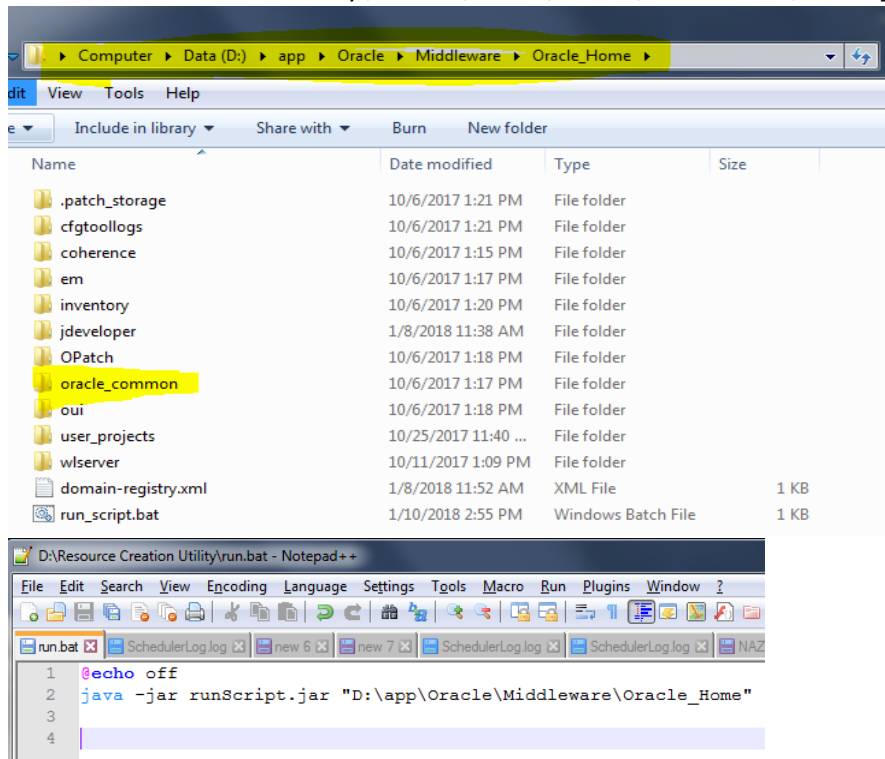
   Note: - You need not worry about pre-requisites because program will give error if any pre-requisite is not present.

4. Now go to '<rcu_home>/data/queues.data' and put **all JNDI names** separated by new newline

5. Go to run.bat/.sh and update weblogic_home path of your server (In my case localhost is my server but in linux it is usually /scratch/oracle/Oracle/Middleware/Oracle_Home)

6. If your application server is a remote server copy the RCU directory to remote server anywhere. (In my case it is localhost so I don't need to put it on any other server)
7. Now we are ready to roll. Just go ahead and start *'run.bat/sh'*
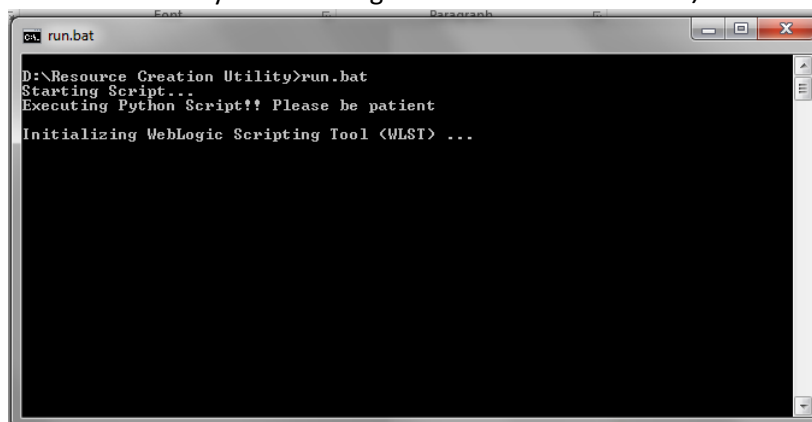
```
C:\windows\system32\cmd.exe - run.bat

==> Skipped Manage Server Creation
-------------Creating File Store-------------
==> Filestore "FileStore_ITR" already exists
-------------Creating JMS Server-------------
==> JMS Server "JMSServer_ITR" already exists
-------------Creating System Module-------------
No stack trace available.
==> Creating System Module "SystemModule_ITR"...
==> System Module Created:  SystemModule_ITR
-------------Creating Subdeployment-------------
No stack trace available.
==> Creating SubDeployment "FCUBS_ITR in Module "SystemModule_ITR"...
==> SubDeployment Created: FCUBS_ITR
==> Skipped Queue Connection Factory(QCF) Creation
-------------Creating Queues-------------
==> Found 22 queues in data/queues.data
No stack trace available.
==> Creating Queue NOTIFY_DEST_QUEUE with name "NOTIFY_DEST_QUEUE_ITR...
==> Queue Created:  NOTIFY_DEST_QUEUE
No stack trace available.
==> Creating Queue DEFFERED_DEST_QUEUE with name "DEFFERED_DEST_QUEUE_ITR...
==> Queue Created:  DEFFERED_DEST_QUEUE
No stack trace available.
==> Creating Queue NOTIFY_QUEUE with name "NOTIFY_QUEUE_ITR...
==> Queue Created:  NOTIFY_QUEUE
No stack trace available.
==> Creating Queue NOTIFY_QUEUE_DLQ with name "NOTIFY_QUEUE_DLQ_ITR...
==> Queue Created:  NOTIFY_QUEUE_DLQ
No stack trace available.
==> Creating Queue EMS_QUEUE_BACK with name "EMS_QUEUE_BACK_ITR...
==> Queue Created:  EMS_QUEUE_BACK
No stack trace available.
==> Creating Queue EMS_QUEUE_DLQ with name "EMS_QUEUE_DLQ_ITR...
==> Queue Created:  EMS_QUEUE_DLQ
No stack trace available.
==> Creating Queue EMS_INQUEUE with name "EMS_INQUEUE_ITR...
==> Queue Created:  EMS_INQUEUE
No stack trace available.
==> Creating Queue EMS_OUTQUEUE with name "EMS_OUTQUEUE_ITR...
==> Queue Created:  EMS_OUTQUEUE
No stack trace available.
==> Creating Queue SFMS_INQUEUE with name "SFMS_INQUEUE_ITR...
==> Queue Created:  SFMS_INQUEUE
No stack trace available.
==> Creating Queue RTGS_INQUEUE with name "RTGS_INQUEUE_ITR...
==> Queue Created:  RTGS_INQUEUE
No stack trace available.
==> Creating Queue INTERNAL_BIPREPORT_QUEUE with name "INTERNAL_BIPREPORT_QUEUE_
ITR...
==> Queue Created:  INTERNAL_BIPREPORT_QUEUE
No stack trace available.
==> Creating Queue INTERNAL_BIP_QUEUE_DLQ with name "INTERNAL_BIP_QUEUE_DLQ_ITR.
..
==> Queue Created:  INTERNAL_BIP_QUEUE_DLQ
No stack trace available.
==> Creating Queue INTERNAL_BIPADVREPORT_QUEUE with name "INTERNAL_BIPADVREPORT_
QUEUE_ITR...
==> Queue Created:  INTERNAL_BIPADVREPORT_QUEUE
No stack trace available.
==> Creating Queue INTERNAL_BIP_ADVICE_QUEUE_DLQ with name "INTERNAL_BIP_ADVICE_
QUEUE_DLQ_ITR...
==> Queue Created:  INTERNAL_BIP_ADVICE_QUEUE_DLQ
No stack trace available.
==> Creating Queue INTERNAL_GI_UPLOAD_QUEUE with name "INTERNAL_GI_UPLOAD_QUEUE_
ITR...
==> Queue Created:  INTERNAL_GI_UPLOAD_QUEUE
No stack trace available.
==> Creating Queue INTERNAL_GI_UPLOAD_DLQ with name "INTERNAL_GI_UPLOAD_DLQ_ITR.
..
==> Queue Created:  INTERNAL_GI_UPLOAD_DLQ
No stack trace available.
==> Creating Queue ELMDB_REQ_Q with name "ELMDB_REQ_Q_ITR...
==> Queue Created:  ELMDB_REQ_Q
No stack trace available.
==> Creating Queue ELMDB_RES_Q with name "ELMDB_RES_Q_ITR...
==> Queue Created:  ELMDB_RES_Q
No stack trace available.
==> Creating Queue ELMDB_DLQ with name "ELMDB_DLQ_ITR...
==> Queue Created:  ELMDB_DLQ
No stack trace available.
==> Creating Queue EL_NOTIFY_REQ_Q with name "EL_NOTIFY_REQ_Q_ITR...
==> Queue Created:  EL_NOTIFY_REQ_Q
```

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==> Creating Queue ELMDB_DLQ with name "ELMDB_DLQ_ITR...
==> Queue Created:  ELMDB_DLQ
No stack trace available.
==> Creating Queue EL_NOTIFY_REQ_Q with name "EL_NOTIFY_REQ_Q_ITR...
==> Queue Created:  EL_NOTIFY_REQ_Q
No stack trace available.
==> Creating Queue EL_NOTIFY_RES_Q with name "EL_NOTIFY_RES_Q_ITR...
==> Queue Created:  EL_NOTIFY_RES_Q
No stack trace available.
==> Creating Queue EL_NOTIFY_DLQ with name "EL_NOTIFY_DLQ_ITR...
==> Queue Created:  EL_NOTIFY_DLQ
==> Skipped XA Queue Connection Factory Creation
Activating all your changes, this may take a while ...
The edit lock associated with this edit session is released once the activation
is completed.
Activation completed
Execution Successfull!! Enjoy
D:\Resource Creation Utility>
```

All Resources are now created Successfully :D

onsole.portal?_nfpb=true&_pageLabel=JMSSystemModuleConfigGeneralPage&nullnandle=com.bea.console.handles.JMXHandle%28 com.bea%3AName%3DSystemModule_ITR%2CType%3DJMSSystemResource %29

This page displays general information about a JMS system module and its resources. It also allows you to configure new resources and access existing resources.

Name:	SystemModule_ITR	The name of this JMS system module. More Info...
Scope:	Global	Specifies if the JMS system module is accessible within the domain, a partition, or a resource group template. More Info...
Descriptor File Name:	jms/systemmodule_itr-jms.xml	The name of the JMS module descriptor file. More Info...

This page summarizes the JMS resources that have been created for this JMS system module, including queue and topic destinations, connection factories, JMS templates, destination sort keys, destination quota, distributed destinations, foreign servers, and store-and-forward parameters.

▶ Customize this table

Summary of Resources

New   Delete

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	Name ⌄	Type	JNDI Name	Subdeployment	Targets
☐	DEFFERED_DEST_QUEUE_ITR	Queue	DEFFERED_DEST_QUEUE	FCUBS_ITR	JMSServer_ITR
☐	ELMDB_DLQ_ITR	Queue	ELMDB_DLQ	FCUBS_ITR	JMSServer_ITR
☐	ELMDB_REQ_Q_ITR	Queue	ELMDB_REQ_Q	FCUBS_ITR	JMSServer_ITR
☐	ELMDB_RES_Q_ITR	Queue	ELMDB_RES_Q	FCUBS_ITR	JMSServer_ITR
☐	EL_NOTIFY_DLQ_ITR	Queue	EL_NOTIFY_DLQ	FCUBS_ITR	JMSServer_ITR
☐	EL_NOTIFY_REQ_Q_ITR	Queue	EL_NOTIFY_REQ_Q	FCUBS_ITR	JMSServer_ITR
☐	EL_NOTIFY_RES_Q_ITR	Queue	EL_NOTIFY_RES_Q	FCUBS_ITR	JMSServer_ITR
☐	EMS_INQUEUE_ITR	Queue	EMS_INQUEUE	FCUBS_ITR	JMSServer_ITR
☐	EMS_OUTQUEUE_ITR	Queue	EMS_OUTQUEUE	FCUBS_ITR	JMSServer_ITR
☐	EMS_QUEUE_BACK_ITR	Queue	EMS_QUEUE_BACK	FCUBS_ITR	JMSServer_ITR
☐	EMS_QUEUE_DLQ_ITR	Queue	EMS_QUEUE_DLQ	FCUBS_ITR	JMSServer_ITR
☐	INTERNAL_BIPADVREPORT_QUEUE_ITR	Queue	INTERNAL_BIPADVREPORT_QUEUE	FCUBS_ITR	JMSServer_ITR
☐	INTERNAL_BIPREPORT_QUEUE_ITR	Queue	INTERNAL_BIPREPORT_QUEUE	FCUBS_ITR	JMSServer_ITR
☐	INTERNAL_BIP_ADVICE_QUEUE_DLQ_ITR	Queue	INTERNAL_BIP_ADVICE_QUEUE_DLQ	FCUBS_ITR	JMSServer_ITR
☐	INTERNAL_BIP_QUEUE_DLQ_ITR	Queue	INTERNAL_BIP_QUEUE_DLQ	FCUBS_ITR	JMSServer_ITR
☐	INTERNAL_GI_UPLOAD_DLQ_ITR	Queue	INTERNAL_GI_UPLOAD_DLQ	FCUBS_ITR	JMSServer_ITR
☐	INTERNAL_GI_UPLOAD_QUEUE_ITR	Queue	INTERNAL_GI_UPLOAD_QUEUE	FCUBS_ITR	JMSServer_ITR
☐	NOTIFY_DEST_QUEUE_ITR	Queue	NOTIFY_DEST_QUEUE	FCUBS_ITR	JMSServer_ITR
☐	NOTIFY_QUEUE_DLQ_ITR	Queue	NOTIFY_QUEUE_DLQ	FCUBS_ITR	JMSServer_ITR
☐	NOTIFY_QUEUE_ITR	Queue	NOTIFY_QUEUE	FCUBS_ITR	JMSServer_ITR
☐	RTGS_INQUEUE_ITR	Queue	RTGS_INQUEUE	FCUBS_ITR	JMSServer_ITR
☐	SFMS_INQUEUE_ITR	Queue	SFMS_INQUEUE	FCUBS_ITR	JMSServer_ITR

New   Delete

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Some Cases When Error Occurred
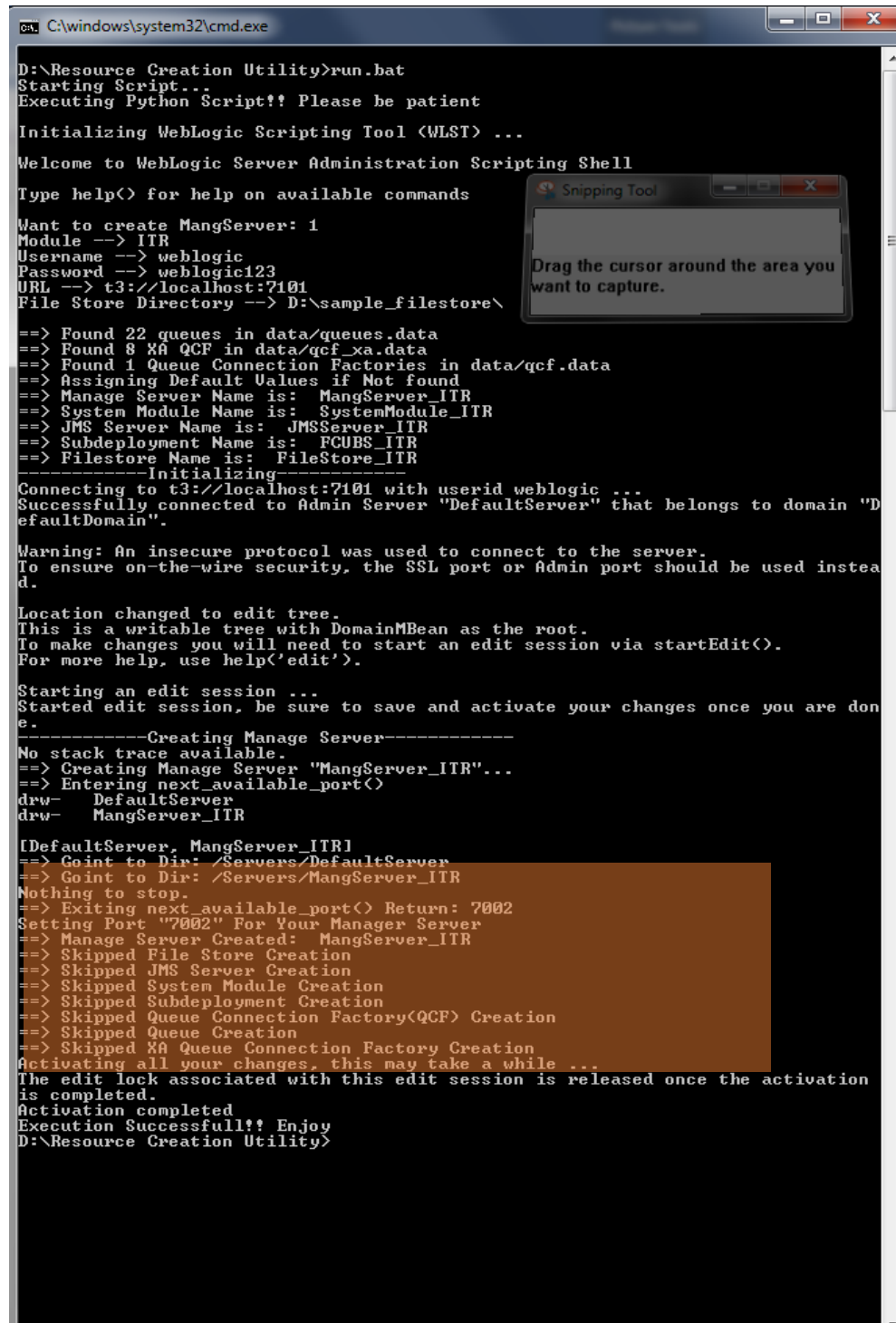
<mark>Note:</mark> All Errors starts with **

Case 1: Tried creating Queues but MangServer_ITR does not exist

<u>Case 2</u>: Creating Manage Server

Contact

In case of Some Error (or) bugs (or) if you wish to get more updates on this utility. Please contact me at sagar.pawar@oracle.com