

Migrating Oracle EBS to Cloud (laaS)



Agenda

- About Fujitsu and Oracle Partnership
- Why Cloud, why EBS on Oracle Cloud?
- EBS on Oracle Cloud
- Accessing Oracle Cloud and Marketplace
- Screen shots Rapid provisioning of EBS
 - from Marketplace images
 - using EBS Cloud Admin Tool
- Oracle E-Business Suite Strategy and Direction
 (Nadia Bendjedou, VP, Product Strategy, EBS, Oracle Corporation)
- Q&A
- Resources



Fujitsu and our Oracle Partnership Overview







Employees



156 thousand

Data Centers



Service Desks



FORTUNE named Fujitsu as "one of the World's Most Admired Companies for 4th consecutive year.



Fujitsu Chosen for the Dow Jones Sustainability World Index for 16th time in 2015.

Fujitsu & Oracle Partnership

- Fujitsu and Oracle have a rich 30+ year history of strategic and close collaboration
- Fujitsu is a strategic, global Oracle partner
- Fujitsu and Oracle have Cloud Collaboration in Japan (Oracle Cloud Services running in Fujitsu data center) no other partner has this
- Fujitsu is one of very few Oracle Global Managed Service **Providers (MSP)**
- Cloud Migration Strategies and Roadmaps
- Workload Migrations Lift and Shift
 - Oracle, AWS, Azure, Fujitsu K5
- Cloud Integrations PaaS
- Oracle Applications; SaaS; and Support



Oracle Cloud Managed Service Provider





Oracle E-Business Suite Strategy and Direction



Nadia Bendjedou Vice President – Product Strategy, EBS Oracle Corporation



Approaches to Running Oracle E-Business Suite

Manage on Premise

In Other Cloud

Oracle Cloud

Acquire and Provision hardware and software

Manage, maintain everything in the data center

Manage Apps and DB Manually

Manage, maintain and update

Integrated infrastructure and development platform

Increased flexibility in App and DB deployment

ROI/Value



Why Cloud

Challenges

- Capacity issues / inability to scale
- Support diverse landscape
- Options
 - Upgrade existing data centers
 - Virtualized infrastructure
- Key Benefits
 - Scalability & Reliability
 - Drive Better Innovation
 - Reduce IT Costs

- Maintenance requirements
- Financial considerations

- 3rd party data centers
- Migration to Cloud

- Future-ready platform
- Long-term sustainability
- No capital investment OPEX model

Everything points to Cloud



Benefits of transitioning to Oracle Cloud vs. Others

	Oracle Cloud	Other Clouds
High Performance at lower costs	✓	х
 Unmatched High Availability RAC, Exadata Automated scaling of application tiers Automated backup and recovery 	✓	х
Unified interface to manage and monitor EBS infrastructure	✓	X
Automated Instance Provisioning using EBS Cloud Admin Tool	✓	×
Automated Lift and Shift of Oracle EBS	✓	x
Automated DB Tier PSU Patching	✓	×
EBS Integrations and Analytics	✓	Х
Lower Licensing Cost	✓	х



Some Use Cases for Oracle EBS on Oracle Cloud

Dev / Test / other Non-Prod in the Cloud

Extend Data center to Cloud
BI / Reporting / Analytics / OATS env

Disaster Recovery / High Availability in the Cloud

Production in the Cloud

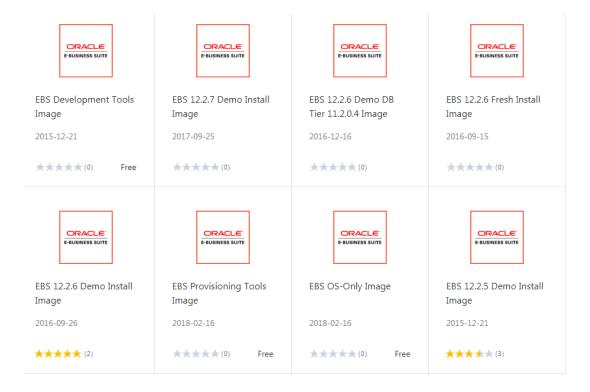


Current Automated Capability for EBS across Oracle Cloud IaaS/PaaS Offerings

- Quick Provisioning
 - Cloud Marketplace images for single node installation in Compute
 - EBS Cloud Admin Tool for single/multiple application tier with different options for
 - Database tier 1-node/2-node/Compute/Database / Exadata Cloud / (VM / Bare Metal)
- Lift and Shift / Cloning from on premise to Cloud
 - Application tier restored to Compute with options for
 - Database tier on Compute/Database / Exadata Cloud (VM / Bare Metal)
- Managing and Monitoring Environments
- Configuring Integrations for EBS 12.2 Cloud instance
 - Oracle Workflow Notification Mailer
 - Oracle Access Manager
 - SOA Cloud Service
- Use Development tools image
- Deploy Information Discovery instance from Marketplace images



Oracle Cloud Marketplace images for EBS





EBS Cloud Admin Tool

- Set of automation utilities for creating, managing and configuring Oracle EBS environments on Oracle Cloud
- Most current version of the EBS Cloud Admin Tool is 18.1.1.2 /etc/ebscm.conf
- Provisioned and deployed once per Cloud domain / tenancy
- Launched by running ProvisionEBS.pl
- Self Update Utility helps update the tool to the latest available version very easily

```
Provision Oracle E-Business Suite - Enter Selection:

1: Create New Environment

2: Create Environment from Backup

3: Manage Environments

4: Administer Orchestration VM

5: Manage Oracle Storage Cloud Service (OSCS) Backups

6: Clean Up After a Failed Provisioning

7: Exit

Enter your choice from above list:
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EBS Cloud Admin Tool

Tasks	Some Current Details
Create New Environment	 12.2.6 with option of Database 12c Release 1 or 11g Release 2 12.1.3 - with option of Database 12c Release 1 or 11g Release 2 And different options for Database tier based on version
Create New Environment from Backup	 Stage Area Oracle Storage Cloud Service Snapshot EBS Snapshot Master
Manage Environments	 Clone Scale – Add Application tier Delete Manage Backups – Create / Delete Configure Integrations Refresh from Backup
Administer Orchestration VM	Create Volume for stage area
Manage Oracle Storage Cloud Service (OSCS) Backups	Delete Backups
Clean Up Resources	Object Store Backup / Incomplete Installation, if do not wish to continue



Automated Lift and Shift / Cloning of EBS Current High Level Procedure

- Install and configure EBS Cloud Back-up utility
- Create stage areas for backup
- Package the source EBS environment using EBS Cloud Back-up utility
 - Able to bring your existing configuration, customizations, database,
 data
- Move the EBS Package to the OCI Cloud Storage using the back-up utility
- Run the EBS Cloud Admin tool Create new environment from backup
- Currently, supported for
 - 12.2.3 or later with DB 12.1.0.2 or 11.2.0.4; different DB Edition options
 - 12.1.3 with DB 12.1.0.2 or 11.2.0.4; different DB Edition options

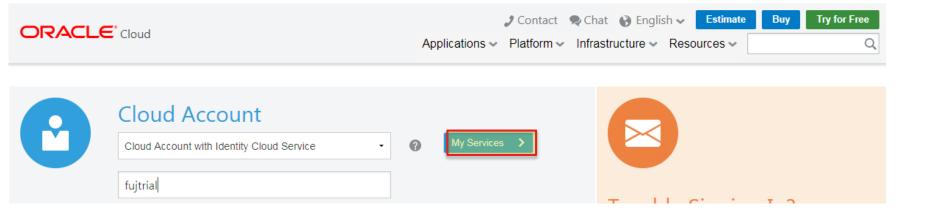


Accessing Oracle Cloud and Marketplace Cloud.oracle.com



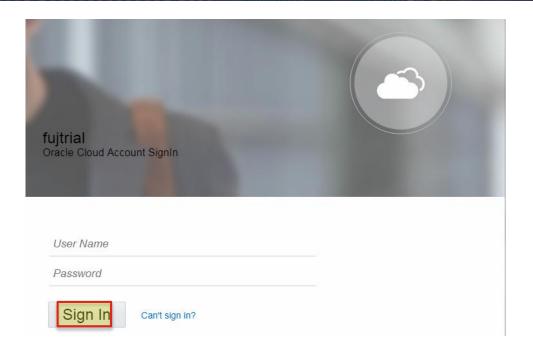


Cloud Account



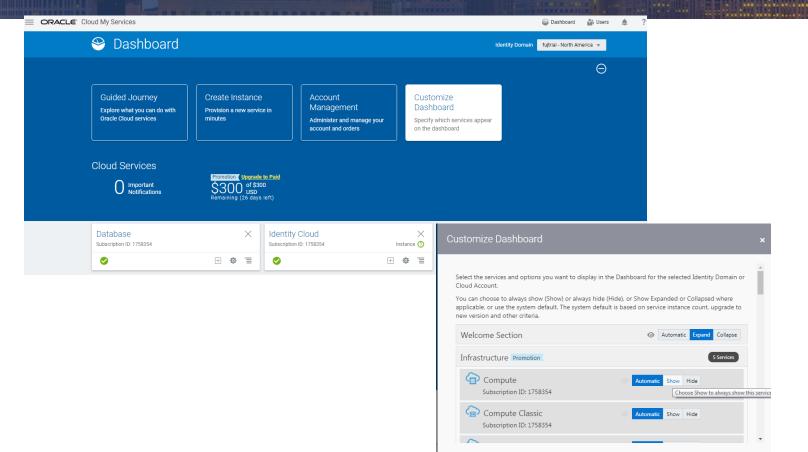


Provide credentials and Sign In



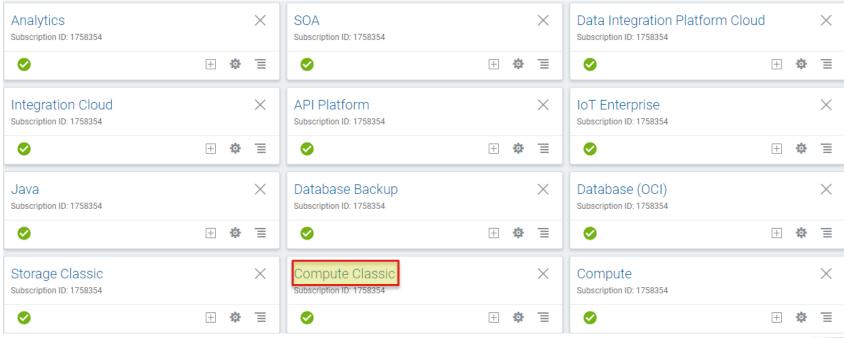


Dashboard



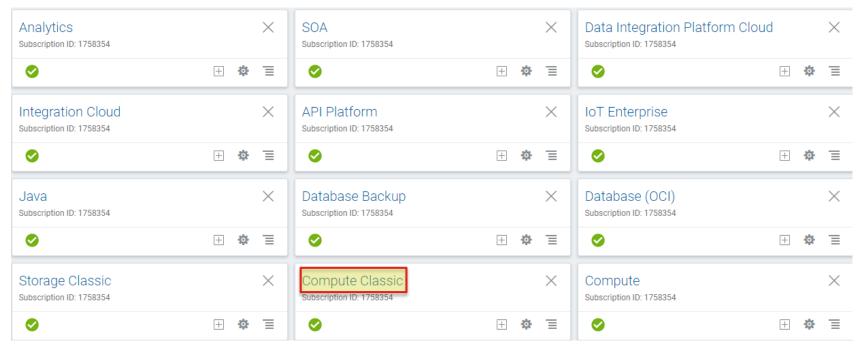


Dashboard



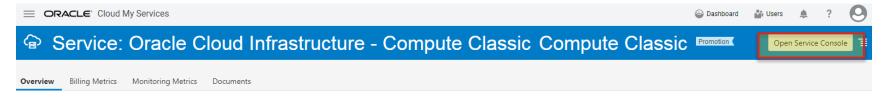


Dashboard





Compute Classic



Overview Information

Category Oracle laaS and PaaS Cloud Services

Data Region North America (Time zone: US/Central)

Cloud Account Name collabdemo

Cloud Account Id cacct-03df0466394b446eac41e5ed9f4785fe

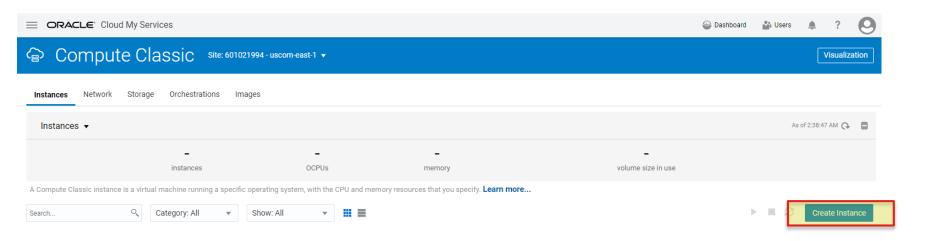
Subscription Cloud Promotion

Convert to Pay As You

K1.

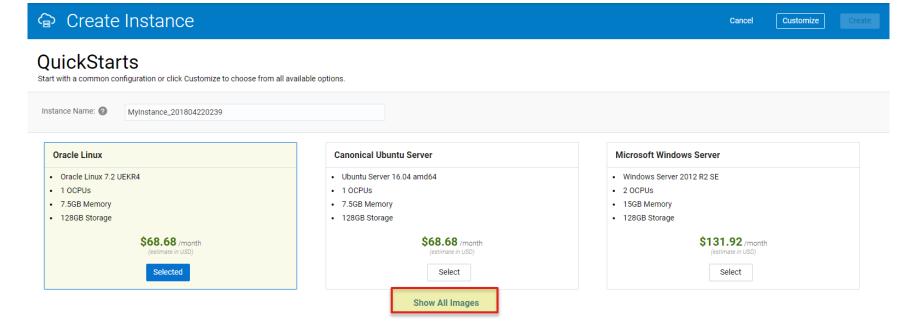


Compute Classic Service Console





Show All Available Images



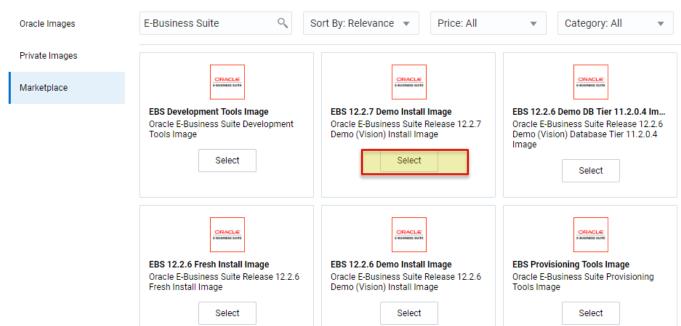


Navigate to Marketplace Menu



Image

Select an image (operating system and disk size) for your instance.





Install the Selected Image

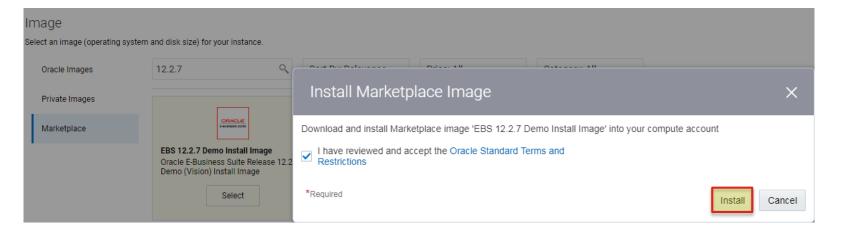
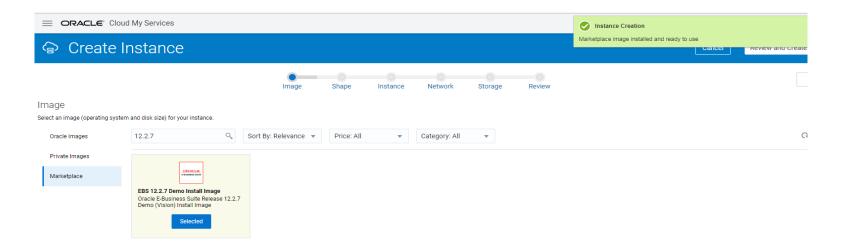




Image Installed message and email



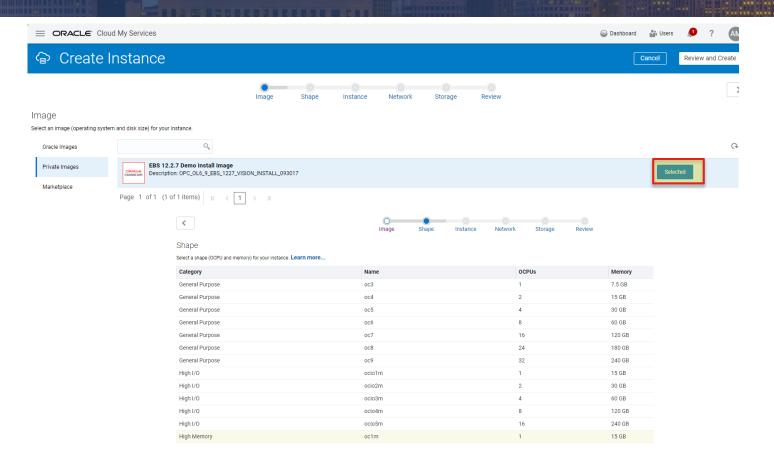


Hello Anil,

The EBS 12.2.7 Demo Install Image application machine image is available in your Compute Classic account for creating VM instances. Sign in here to continue the application installation using the Compute Classic Console.

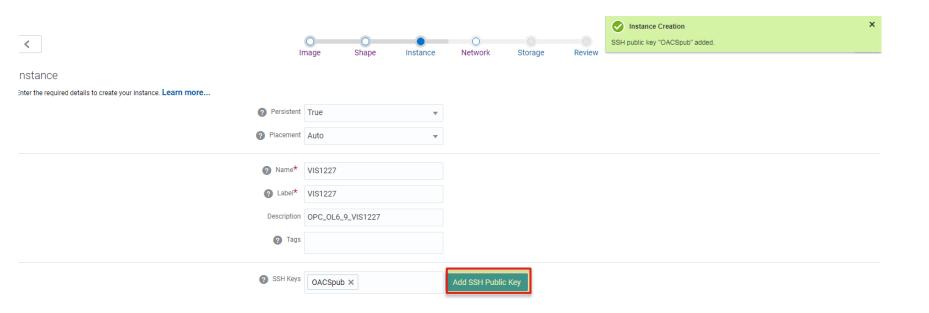


Navigate to Private Images Menu



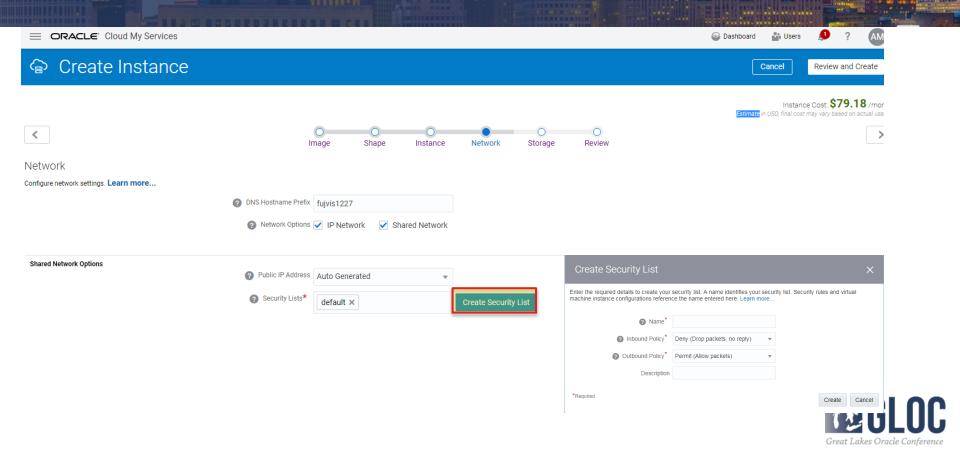


Add or Select the SSH Public Key





Select or Create new Security List



Review and Navigate to Next Page



Storage

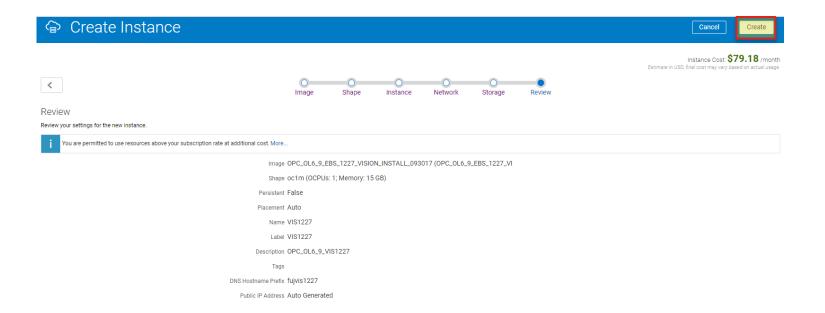
You can attach existing storage volumes, or create and attach a storage volume to the instance. A persistent boot volume is created and used to boot your instance by default. You can specify a different boot disk, or remove the persistent boot disk and boot from a nonpersistent boot disk instead. You can also attach additional storage volumes to an instance after the instance is created.

Name	Disk#	Size	Туре	Delete On Termination	Boot Drive	
VIS1227_storage	1	375 GB	storage/default		•	≡



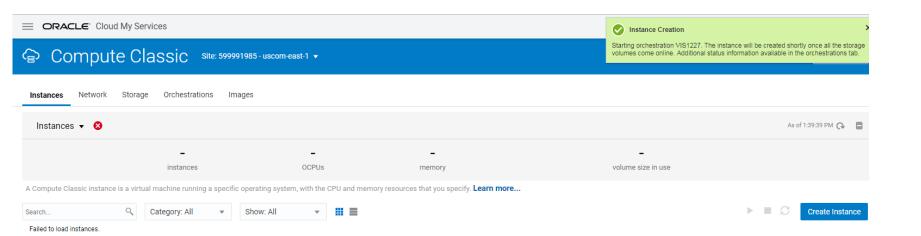
Attach Existing Volume

Review Settings and Create





Notification





Provisioning Instance using EBS Cloud Admin Tool



oracle@fujtrial:~/apps-unlimited-ebs

Using username "opc".
Authenticating with public key "imported-openssh-key"
Last login: Sat Apr 21 14:48:57 2018 from 136.179.21.68
[opc@fujtrial ~]\$ sudo su - oracle
[oracle@fujtrial ~]\$ cd apps-unlimited-ebs/
[oracle@fujtrial apps-unlimited-ebs]\$ perl ProvisionEBS.pl

Provision Oracle E-Business Suite - Options

Provision Oracle E-Business Suite - Enter Selection:

- Create New Environment
- 2: Create Environment from Backup
- 3: Manage Environments
- 4: Administer Orchestration VM
- : Manage Oracle Storage Cloud Service (OSCS) Backups
- 6: Clean Up After a Failed Provisioning
- 7: Exit

Enter your choice from above list:

Provision Oracle E-Business Suite - Enter Oracle Cloud Credentials

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[Ctrl-B: Back, Ctrl-H: Main Menu]
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```
Oracle Compute Cloud Service Endpoint [https://compute.uscom-east-1.oraclecloud.com/]

Oracle Storage Cloud Service Endpoint [https://fujtrial.us.storage.oraclecloud.com/v1/Storage-fujtrial]

Oracle Cloud Compute Service Instance ID [599991985]

Oracle Cloud Identity Domain [fujtrial]

Oracle Cloud Data Center Code (examples: em1, us2, ap3) [us2]

Oracle Cloud User Name [anil.minocha@us.fujitsu.com]

Oracle Cloud Password
```



Provisioning Instance using EBS Cloud Admin Tool

Provision Oracle E-Business Suite - Choose Release Combination

```
[Ctrl-B: Back, Ctrl-H: Main Menu]

1: EBS 12.2.6 with Database 12.1.0.2 - Fresh
2: EBS 12.2.6 with Database 12.1.0.2 - Demo
3: EBS 12.2.6 with Database 11.2.0.4 - Fresh
4: EBS 12.2.6 with Database 11.2.0.4 - Demo
5: EBS 12.1.3 with Database 12.1.0.2 - Fresh
6: EBS 12.1.3 with Database 12.1.0.2 - Demo
7: EBS 12.1.3 with Database 11.2.0.4 - Fresh
8: EBS 12.1.3 with Database 11.2.0.4 - Fresh
8: EBS 12.1.3 with Database 11.2.0.4 - Demo
9: Distributed Yard Management System 12.2
10: Distributed Warehouse Management System 12.2
```

Choose EBS release from above list:



Questions and Answers

• Anil.Minocha@fujitsu.com



Resources

- Getting Started with Oracle E-Business Suite on Oracle Cloud
- Oracle E-Business Suite on Oracle Cloud
- Latest blog for updates to EBS Admin Tool

