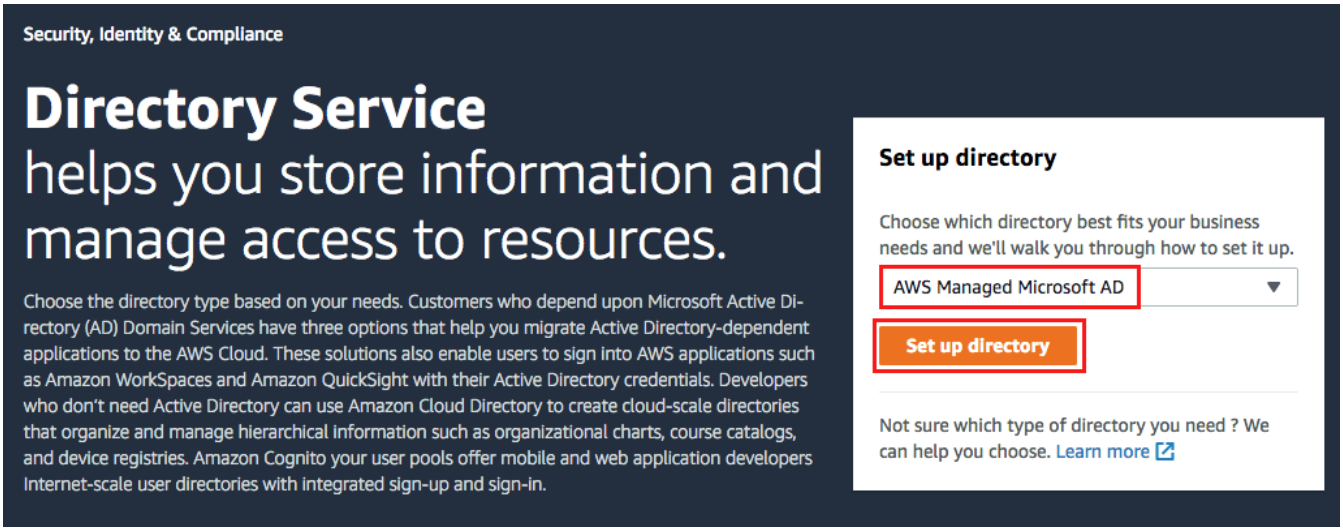
DEPLOYING MANAGED AD

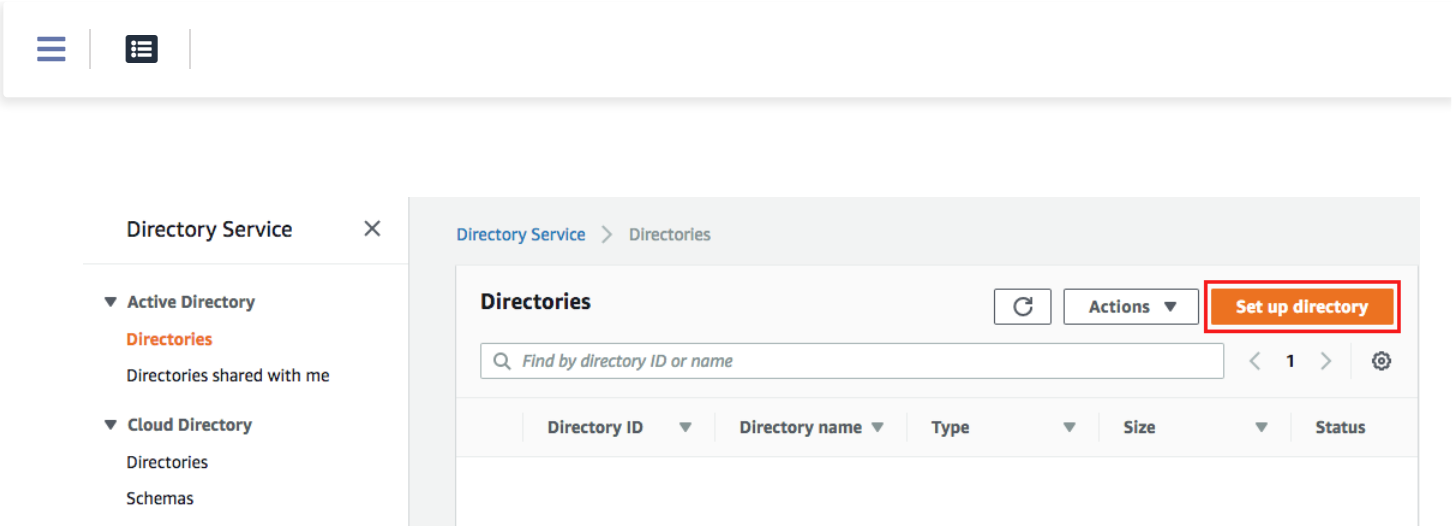
Deploying AWS Managed Active Directory (MAD)

In this module, you will deploy AWS Managed Microsoft Active Directory. AWS Managed Microsoft Active Directory is AWS's fully managed Active Directory service. AWS will create an Active Directory forest with two domain controllers in separate Availability Zones for high availability. By fully managed, AWS will manage the hardware and the software (patching, backups).

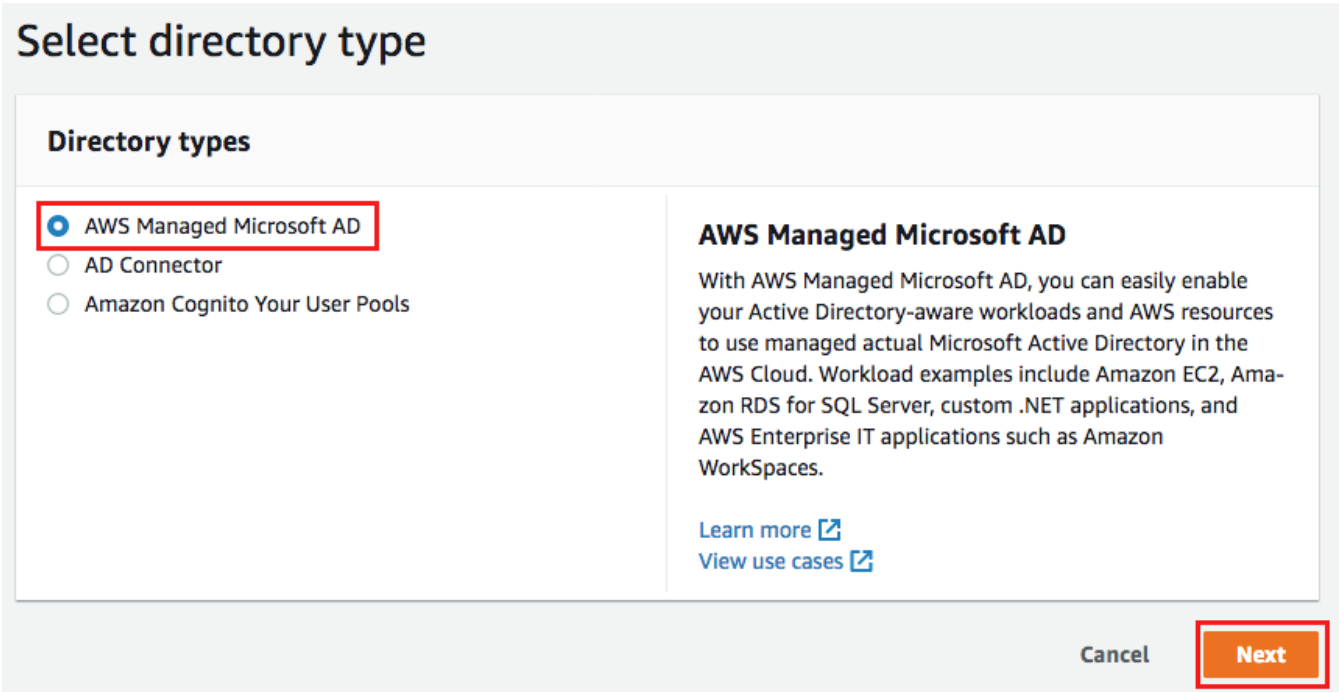
If you have an existing Active Directory, then you can create an Active Directory trust between the AWS Managed Microsoft Active Directory and your existing Active Directory. Then, user authentication can occur using your existing AD system to provide single sign-on.

1. Login to the AWS Console. In the find a service search field, type Directory Services.
2. Make sure you are in the "N. Virginia" region by checking on the top right corner in the AWS Console.
3. If this is the first time you are opening the Directory Services in this region, you'll be prompted with a welcome screen. Select "AWS Managed Microsoft AD" and click on Set up directory.

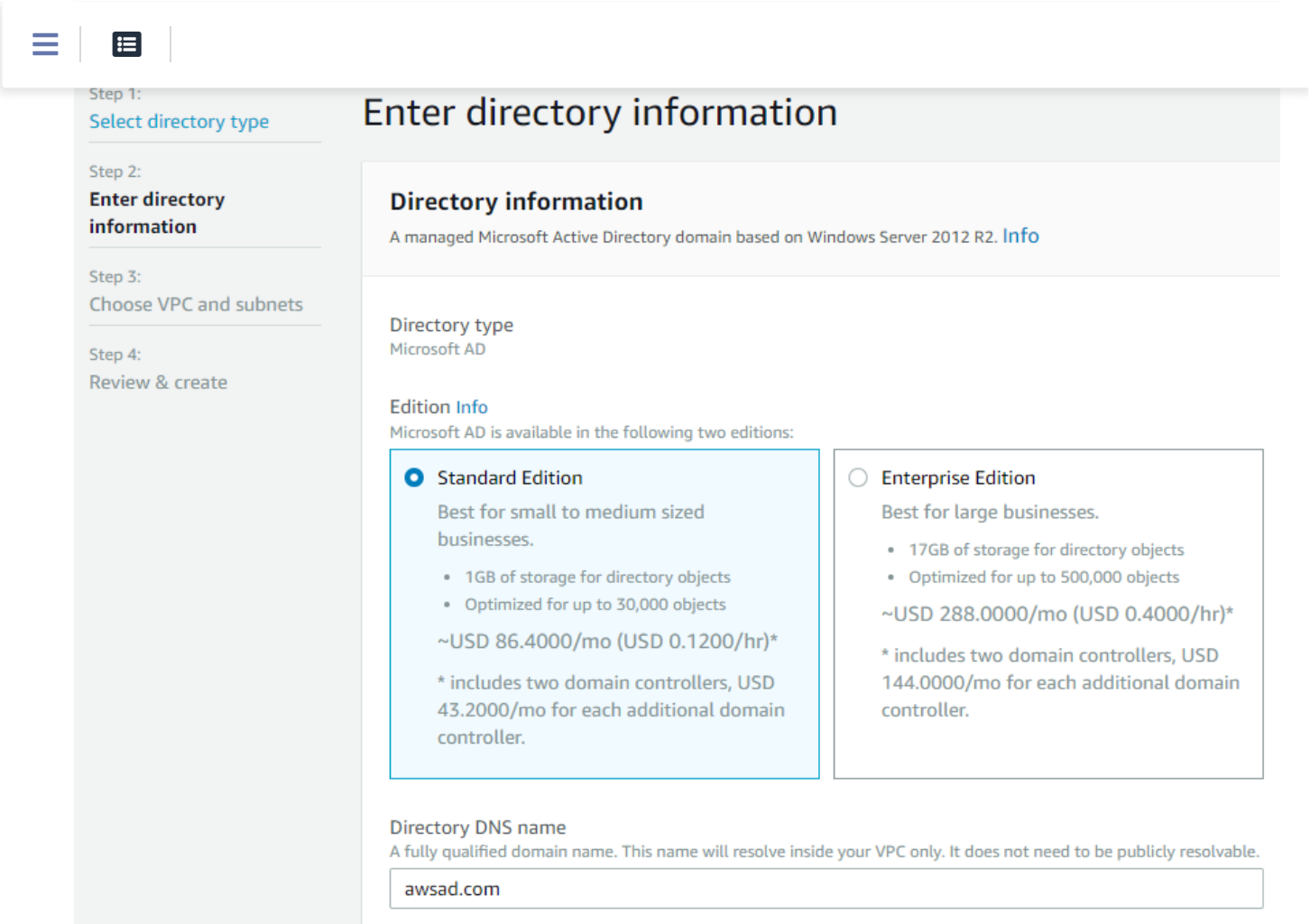


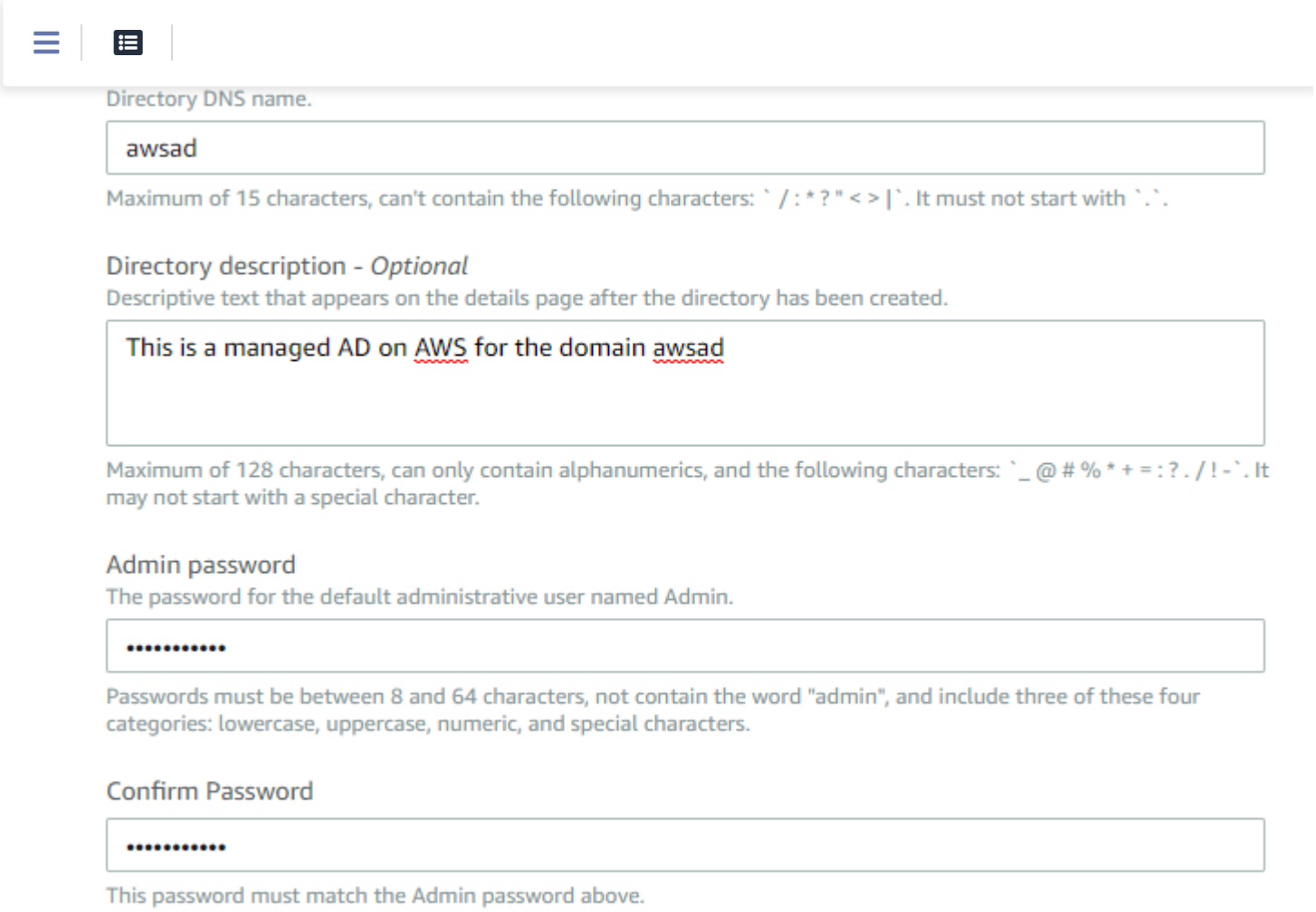


5. In the next screen, select "AWS Managed Microsoft AD" and click Next.

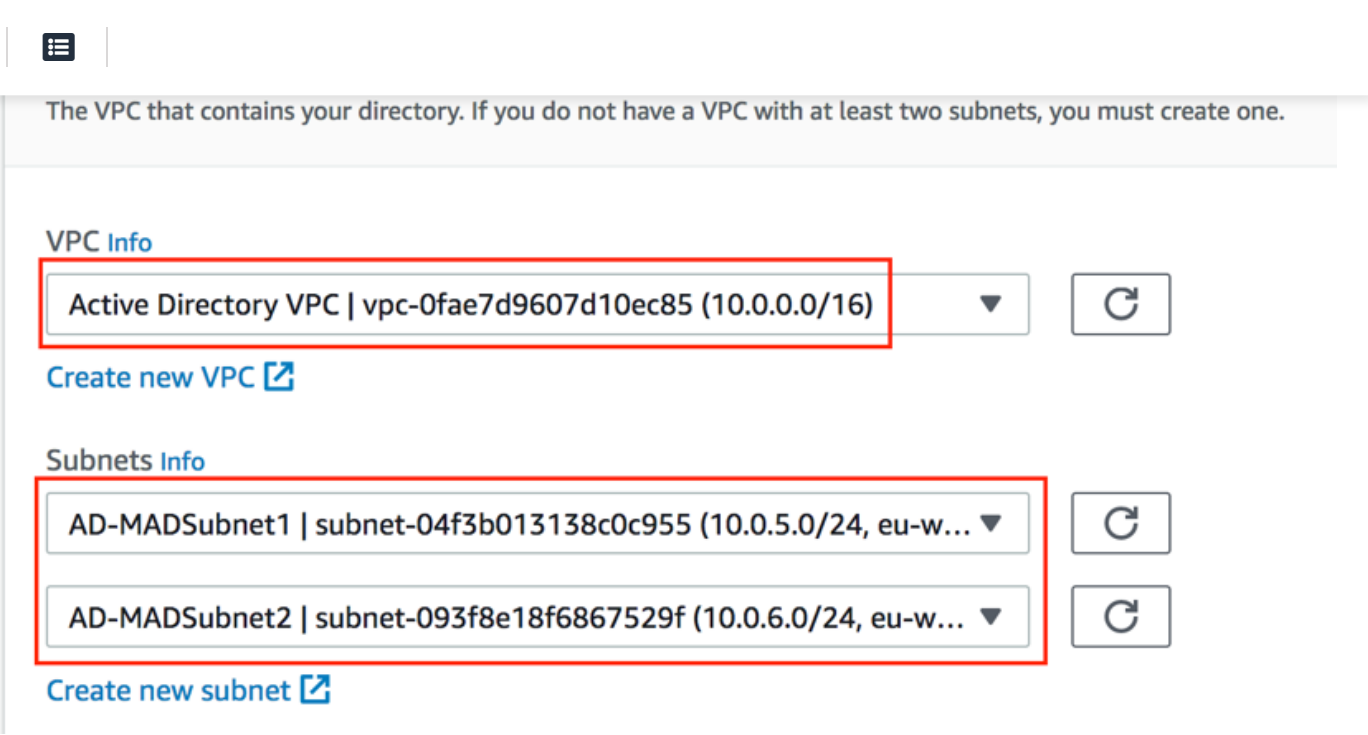


6. In the Enter Directory Information screen, enter the following information: a. For Edition: select Standard Edition. Note, we provide a brief outline of the differences between the Standard Edition and Enterprise Edition and rough estimates of the costs. b. Directory DNS name: awsad.com [Make this DNS name unique from your other directories so you can establish trusts in the future if required.] c. Directory NetBIOS name: AWSAD d. Directory Description: This is a managed AD on AWS for the domain awsad e. Admin password: <use a password you can remember. You will use this in future labs> f. Confirm password: <confirm the password again> g. Click Next.

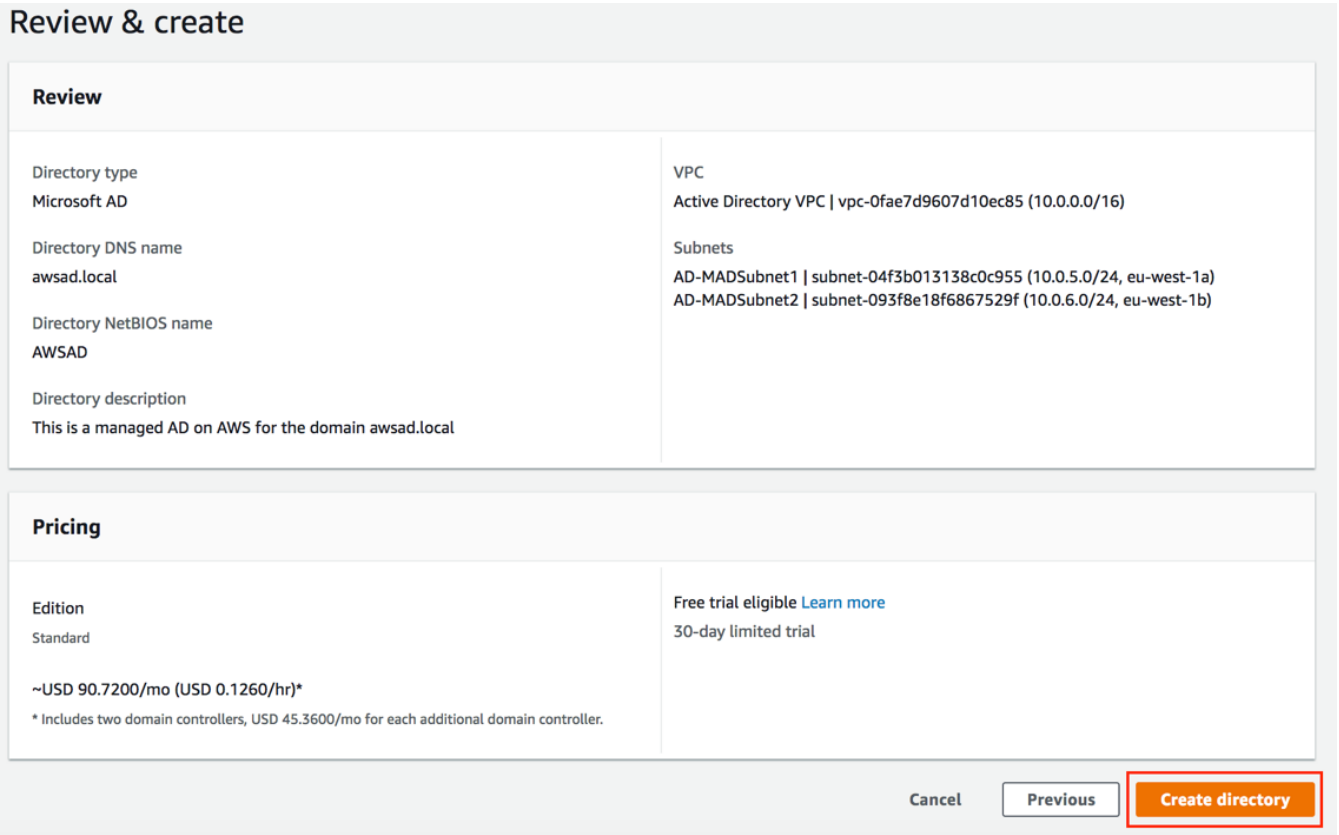

Step 1:
Select directory type
Step 2:
Enter directory information
Step 3:
Choose VPC and subnets
Step 4:
Review & create
Enter directory information
Directory information
A managed Microsoft Active Directory domain based on Windows Server 2012 R2. Info
Directory type
Microsoft AD
Edition Info
Microsoft AD is available in the following two editions:
Standard Edition
Best for small to medium sized businesses.
1GB of storage for directory objects
Optimized for up to 30,000 objects
~USD 86.4000/mo (USD 0.1200/hr)*
* includes two domain controllers, USD 43.2000/mo for each additional domain controller.
Enterprise Edition
Best for large businesses.
17GB of storage for directory objects
Optimized for up to 500,000 objects
~USD 288.0000/mo (USD 0.4000/hr)*
* includes two domain controllers, USD 144.0000/mo for each additional domain controller.
Directory DNS name
A fully qualified domain name. This name will resolve inside your VPC only. It does not need to be publicly resolvable.
awsad.com



7. For the VPC and subnets, please select the Active Directory VPC you created in Section 1 and select the two private subnets AD-MADSubnet1 and AD-MADSubnet2.

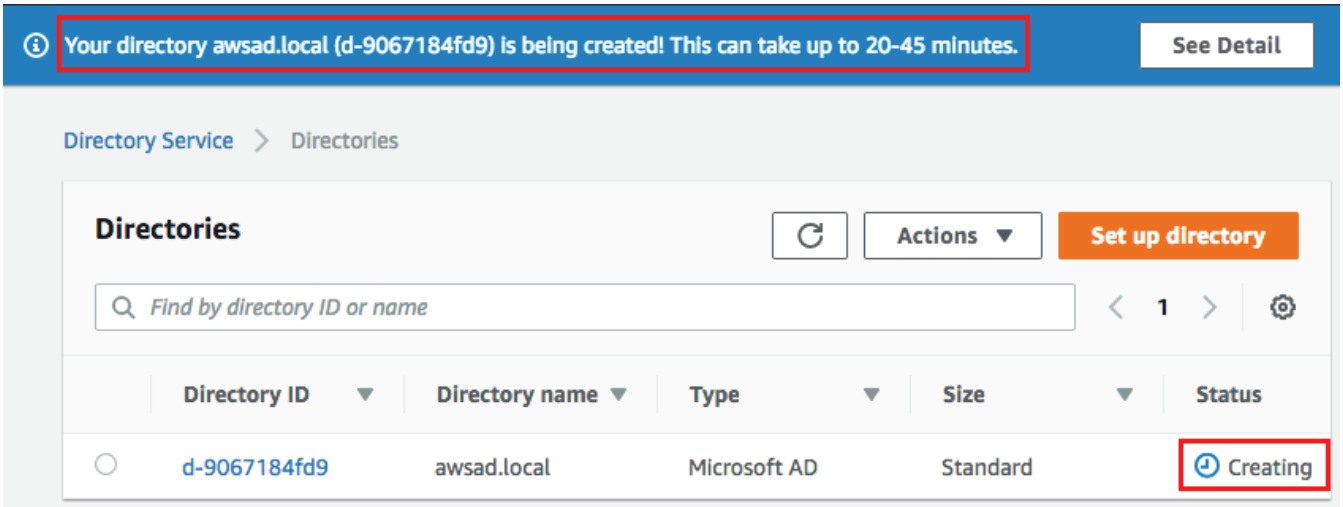


8. After selecting the VPC and Subnets, Click **Next.**
9. On the Review & create screen, review the settings and click on **Create Directory.**

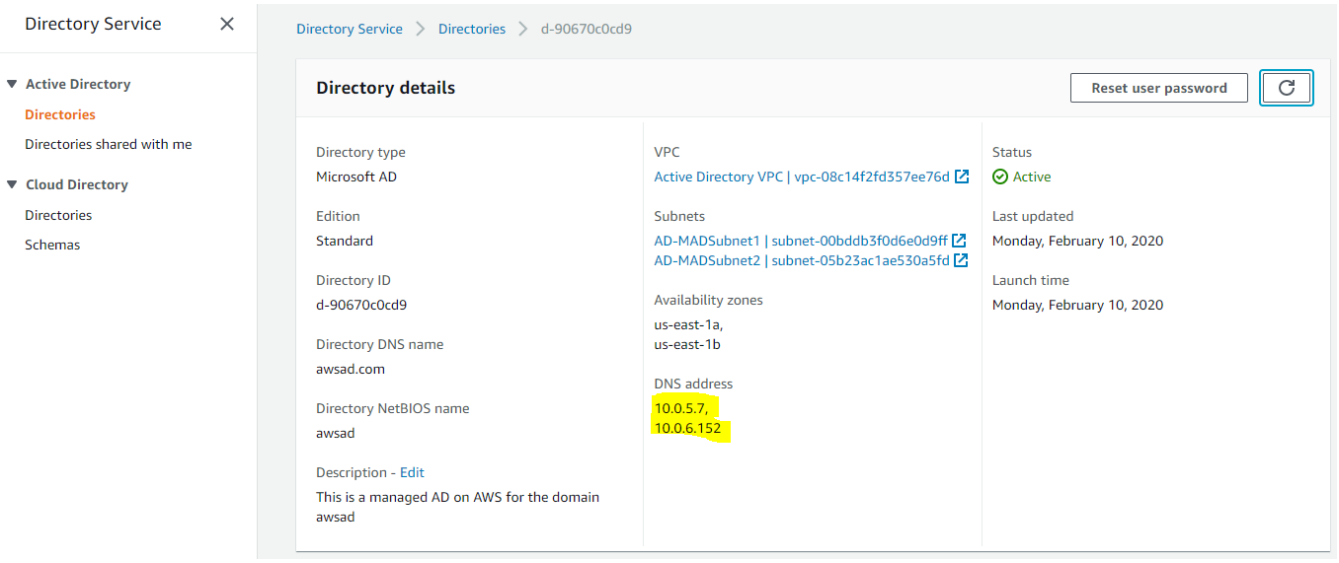


domain controllers for the AD forest that you specified. This AD forest will be a new AD forest.

11. This is a good time to take a break as the creation process will take time.



12. Once the directory is created, you can see the details of the by click on the Directory ID. The two DNS IP addresses that are listed are also the Domain Controllers.



Conclusion

ahead and delete the Managed AD Directory that you created as a part of the cleanup and also delete the ActiveDirectoryVPC CloudFormation stack that you created earlier.