Implementing Web Application Proxy

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MSSA Cohort #2

Lab Summary 6

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Implementing Web Application Proxy

The IT management wants to establish the Web Application Proxy to enable access to internal applications for partner companies. The requirements are to build only access to the specific internal resources and to create for administrators to remotely manage servers in the internal network for security purposes. The developers work on the modification of the internal applications to use claims-based authentication while the admin uses the initial deployment as a proof of concept. Since the external users try to use the apps, building security is essential for the project.

Importing AdatumCA certificate

The external users cannot just access to internal applications. They need to have the certificate to grant access from the Web Application Proxy. The AdatumCA certificate is imported into the Trusted Root Certification Authorities so that it can enable access to trust the certificates by the Adatum Certification Authority. Also, the client is removed from the group so that the administrators could test the proxy.

The preauthentication method

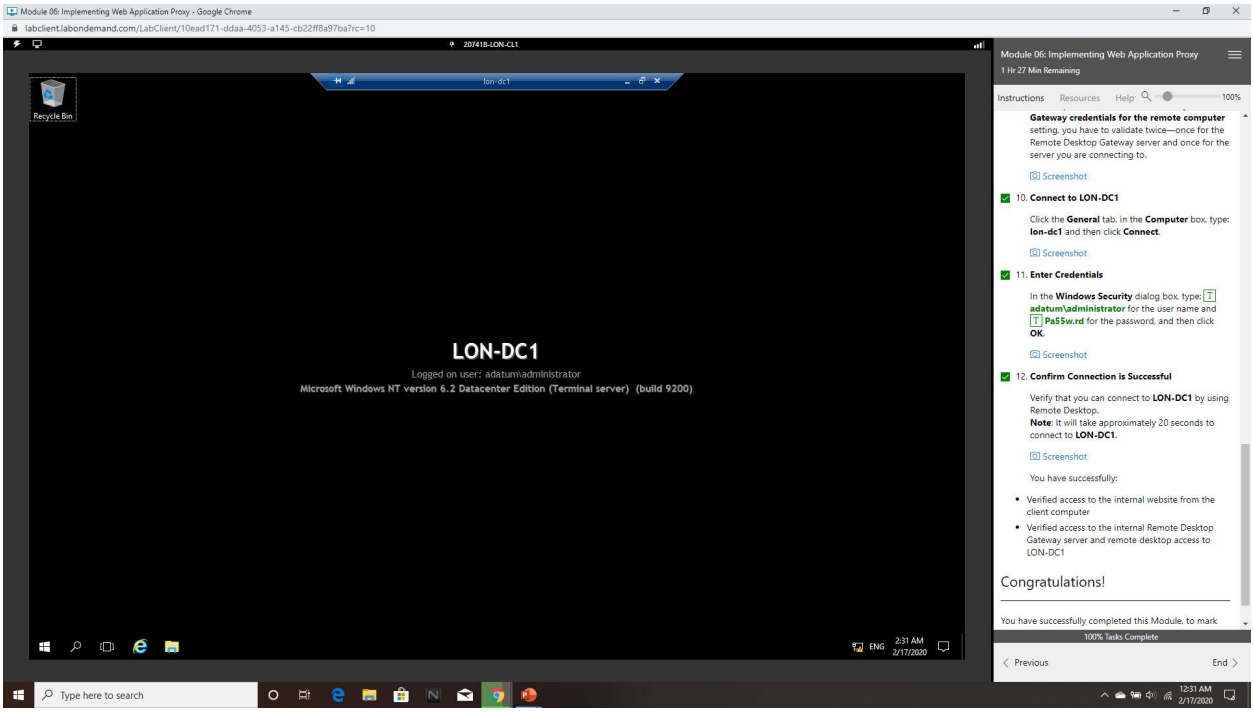
There are two types of preauthentication in the Web Application Proxy: AD FS preauthentication and Pass-through preauthentication. The AD FS preauthentication uses AD FS for claims-based authentication, whereas Pass-through preauthentication is the web application that is configured for authentication to give access to the users. Even though the AD FS preauthentication has more benefits upon the security, the lab guided to choose the Pass-through preauthentication, which allows all requests are forwarded to the backend server. Since the option is selected, the authentication grants from the Windows Authentication rather than Anonymous Authentication.

Remote Desktop Services

The Remote Desktop Services option is for the administrators to access the servers in the internal servers. There are different options in the Remote Desktop Services: Remote Desktop Connection Broker, Remote Desktop Gateway, Remote Desktop Licensing, Remote Desktop Session Host, Remote Desktop Virtualization Host, and Remote Desktop Web Access. In the lab, the Remote Desktop Gateway is the one to use for the admins because it enables the only authorized users to connect to the virtual desktops and programs over the Internet. The RD Gateway could provide better security when the admins connect to any server in the internal network.

Validating the Web Application Proxy Deployment

There are two things to prove in the lab. One is to verify access to the internal website from the client computer; the other is to conform to the internal RD Gateway server from LON-DC1, which is the domain controller in the company. If connecting to IIS webpage for LON-SVR1 is allowed, then the Web Application Proxy is appropriately deployed. For the RD connection, the setting always should be at Warn me in real life, but it was set to don’t warn me in the lab for testing purposes.


Module 06: Implementing Web Application Proxy - Google Chrome
labclient.labondemand.com/LabClient/10ead171-ddaa-4053-a145-cb22ff8a97ba?rc=10
207418-LON-CL1
lon-dc1
Recycle Bin
LON-DC1
Logged on user: adatum\administrator
Microsoft Windows NT version 6.2 Datacenter Edition (Terminal server) (build 9200)
ENG 2:31 AM 2/17/2020
Type here to search
Module 06: Implementing Web Application Proxy
1 Hr 27 Min Remaining
Instructions Resources Help 100%
Gateway credentials for the remote computer setting, you have to validate twice—once for the Remote Desktop Gateway server and once for the server you are connecting to.
Screenshot
10. Connect to LON-DC1
Click the General tab, in the Computer box, type: lon-dc1 and then click Connect.
Screenshot
11. Enter Credentials
In the Windows Security dialog box, type: adatum\administrator for the user name and Pa55w.rd for the password, and then click OK.
Screenshot
12. Confirm Connection is Successful
Verify that you can connect to LON-DC1 by using Remote Desktop.
Note: It will take approximately 20 seconds to connect to LON-DC1.
Screenshot
You have successfully:
Verified access to the internal website from the client computer
Verified access to the internal Remote Desktop Gateway server and remote desktop access to LON-DC1
Congratulations!
You have successfully completed this Module, to mark
100% Tasks Complete
Previous
End
12:31 AM 2/17/2020