Introduction
Use the ERDAS APOLLO Data Manager to set up security in ERDAS APOLLO Advantage or Professional by adding users, roles, and principal users with specific credentials.

Software
- ERDAS APOLLO Advantage or Professional

Transcript

0:09
Thank you for watching Setting up ERDAS APOLLO Security using the Data Manager from Hexagon Geospatial eTraining. In this video we’ll see how to add users, roles, and principal users with specific credentials in ERDAS APOLLO Advantage or Professional.

0:25
While Data Manager can be installed on any machine, only those users who have been granted the ADMIN or DATA MANAGER roles can access and manage the ERDAS APOLLO Server.

0:36
Begin by opening the Data Manager application and connecting to an ERDAS APOLLO server.

1. To connect, specify a server name, a port, and a user name -- in this case the user dm for data manager, with the default password of apollo123.

0:52
Once logged in, notice in the Explorer tab the `<SeverName>:<port number>` and in brackets the user that is logged in. In this case, [dm].

2. Expand the server options by clicking the ‘carrot’ next to the server name.

1:08
Look at Configuration, Catalog, Processes, and Services.

3. Select the Configuration option and locate and expand the Users, Roles, and Default Principals.

4. Select any of the Users or Roles and then review their information in the Properties tab.
Notice that any information for a **User** or **Role** has a ‘lock’ icon next to it.

The **dm** account or **Data Manager** user is only for those who need to manage the data on an ERDAS APOLLO Server. It does not allow for the management of Users, Roles, or other administrative tasks; those roles are for ERDAS APOLLO Admins only.

5. In the **Explorer** tab of the Data Manager, right click on the current server and select **Logout**.

6. Once logged out, log back in -- but this time use the administrator account that has the username of **admin** with the password of **apollo123**.

7. Once logged in, go back and select some **Users** that we just looked at previously, and notice that the locks are now gone. Also notice that the information in the **Properties** tab for a User are now editable, such as the **admin** or **dm** passwords.

When you first install ERDAS APOLLO, one of the first things that should be done is to change the passwords for the **admin** and **dm** Users.

8. We’ll now select one of the Roles and look at its properties.

9. Notice that these fields are still locked and cannot be modified. This is by design, as the ERDAS APOLLO system needs these roles for other tasks within the system. However, new roles can be added.

10. On the **Roles** folder, right click and select **Create Role**. A dialog box opens asking for the **Roles** name. Input the name **ea_training**. (Note that there can be no spaces in User or Role names).

11. Click the **OK** button.

The new Role is created, and now information can be added to that Role in the **Properties** tab.

12. Add a description of the role, such as **Role created for ERDAS APOLLO training only**.

13. In the **Aliased System Role**, select the data manager role, **esp_data_manager**.

14. Click away from the **Properties** tab, and if prompted to save any changes, click **Yes**.

It’s important to mention that any user who needs access to the ERDAS APOLLO Server via the Data Manager must be assigned to a role that is associated with the **esp_data_manager** or the **esp_administrator** role. They are the only roles allowed to log into the server from the Data Manager. All other roles are for access to data via the Geospatial Portal or a third party application.
One or more roles can be assigned to users. Let’s create a new user and assign roles to that user.

14. Right click on the Users folder in the Configuration section and select Create User.

15. Type in training for the user name and click OK.

16. Select the user.

In the Properties tab, the ERDAS APOLLO Administrator can input information about the user as well as assign roles and create the user’s password.

17. Enter the following information:
   - City: Norcross
   - Company Name: Hexagon Geospatial
   - Contact Person: ERDAS APOLLO Training Staff
   - Country: United States
   - Department Name: Support
   - Email: geospatial@hexagongeospatial.com
   - Password can be left blank.
   - Postal Address: 5051 Peachtree Corners Circle
   - Remarks: This User is for ERDAS APOLLO Training only
   - Roles can be left blank.
   - State: Georgia
   - Telephone: 770-776-3469
   - User name: training

18. In the Password section, click in the box to the right of the field.

19. In the Password dialog that opens, enter a password such as train123. Type it a second time in the Confirm field, and click OK to save your changes.

20. In the Roles section, click in the box to the right of the field.

21. In the Roles dialog, from the Available column, select ea_training and esp_consumer and move them to the Selected column by clicking the middle top button with the single right-facing carrot.

22. Click the OK button to apply the roles and close the dialog box.

23. Once your changes have been made, go back to the Explorer tab and log out of the server.

24. Once logged out, log back in with the new user training and the train123 password.
25. Once logged in as the **training** user, right click on the **ROOT** directory and select the **Crawl File System**. The Crawler Wizard opens.

26. In the Crawler Wizard, use the **Browse** button to navigate to a directory containing data, in this case the folder **EATrain** on the C: drive.

27. Within the **EATrain** folder, select the **ECW** folder and click the **OK** button.

28. Back in the Wizard, click the **Next** button and leave the **Scheduling** at its default to **Run Immediately** and click the **Next** button.

29. In the **Processing and Web Options** dialog, accept the defaults and click the **Next** button.

7:06

In the **Security Settings**, notice that permissions for the **esp_administrator** are grayed out; the **esp_administrator** role has access to any dataset coming into the ERDAS APOLLO catalog and cannot be removed.

30. Click the **esp_data_manager** role and then the **Delete** button represented by the red X to remove this role.

31. Once this role is removed, add a new principal or new role by clicking the green plus button.

32. Click the green plus button to add a role/user.

33. In the **Principal** drop down menu, locate the **training** user, select it, and click **OK** to close the **Add Principal** dialog box.

7:45

The training user is now added with the default permission read-only.

34. Check the options to **Update**, **Delete**, and **Manage**, and click the **Next** button.

35. Click the **Next** button in the **Metadata Parser** dialog, and then **Finish** in the **Summary** dialog to begin the crawling process.

36. Once the crawling job is complete, under the **ROOT**, select the **ECW** aggregate and right click.

37. Select the **Datasets** tab and inspect the security for the datasets in the **ECW** aggregate. Notice that the security has been applied for both the aggregate and the data sets inside the aggregate.

38. When finished reviewing the security settings, right click on the **ECW** aggregate and delete it.

8:38

If a specific role or user will be doing most of data management or crawling, the ERDAS APOLLO Administrator can make that role a ‘Default Principal’ with specific CRUD or Create-Read-Update-Delete permissions.

39. Log out of the ERDAS APOLLO server as the training user and log back in using the Administrator role with the admin/apollo123 credentials.

40. In the **Configuration** portion of the **Explorer** tab, right click on the **Default Principals** folder and select **Create Default Principal**.
41. In the Create Default Principal dialog box, use the drop down and select the ea_training role and click OK.

42. Select the ea_training principle in the Default Principals folder, and in the Properties tab, change the false value to true for Execute, Read, Update, and leave Manage Permissions and Delete Permissions as false.

43. Save the changes. Now, as the Administrator, add the ECW folder back to the root aggregate: Crawl File System > Browse > Select Directory > ECW > OK > Next on File System Directory, Next on Scheduling, Next on Processing the Web Options.

10:14
Notice in the Security Settings dialog that ea_training is now added to the dataset with the default credentials.

44. Remove the esp_data_manager role from the dataset.

45. Finish the crawling process.

10:41
Now that the crawling process is finished, look at the security of the ea_training user.

46. Log out of the Admin account and then log back in as the training user.

47. Select the ECW dataset, right click on the dataset or the aggregate, and look at the security.

11:07
Notice that the ea_training user is now grayed out and only has read and update permissions. It cannot deleted or manage the data. Let’s verify this.

48. Try to delete the ECW aggregate by right clicking on it and deleting it. As expected, we are denied that capability.

11:29
Thank you for watching this eTraining module from Hexagon Geospatial. For more eTraining, please visit hexagogeospatial.com/eTraining.