Integrate Active Directory

EventTracker v7.x
Abstract

Active Directory (AD) is a directory service that Microsoft developed for Windows domain networks and included in most Windows Server operating systems as a set of processes and services.

An AD domain controller authenticates and authorizes all users and computers in a Windows domain type network - assigning and enforcing security policies for all computers and installing or updating software. For example, when a user logs into a computer that is part of a Windows domain, Active Directory checks the submitted password and determines whether the user is a system administrator or normal user.

This guide provides instructions to configure Active Directory to send the event logs to EventTracker Enterprise.

Scope


Audience

Active Directory users, who wish to forward event logs to EventTracker Manager and monitor events using Event Tracker Enterprise.

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Active Directory

Active Directory is a special-purpose database - it is not a registry replacement. The directory is designed to handle a large number of read and search operations and a significantly smaller number of changes and updates. Active Directory data is hierarchical, replicated, and extensible. Because it is replicated, you do not want to store dynamic data, such as corporate stock prices or CPU performance. If your data is machine-specific, store the data in the registry. Typical examples of data stored in the directory include printer queue data, user contact data, and network/computer configuration data. The Active Directory database consists of objects and attributes. Objects and attribute definitions are stored in the Active Directory schema.

Prerequisites

- EventTracker v7.x should be installed
- Windows server 2000 or later should be installed.
- Active Directory should be installed and configured.

Configure Active Directory to send events to EventTracker

Deploy EventTracker Agent on Active Directory machine. Once the events are triggered, logs will be sent to EventTracker automatically.
Monitoring Events of Active Directory

Monitoring AD events, provides detailed information about what is happening on your Domain. Using Event Tracker Enterprise Active Directory events can be monitored which are as follows:

- Computers
- Group
- Group Policy
- Local Group
- Objects
- Organizational Unit
- Share Folders
Import Active Directory knowledge pack in EventTracker

1. Launch EventTracker Control Panel.
2. Double click Export Import Utility, and then click the Import tab.

![Figure 1](Image)

Import Category/Alert as given below.

Import Category

1. Click Category option, and then click the browse button.
2. Locate Active Directory.iscat file, and then click the Open button.

3. To import categories, click the Import button.
   EventTracker displays success message.

4. Click OK, and then click the Close button.

Import Alerts

1. Click Alert option, and then click the browse button.

2. Locate Active Directory.isalt file, and then click the Open button.

3. To import alerts, click the Import button.
   EventTracker displays success message.

4. Click OK, and then click the Close button.
Verify Active Directory knowledge pack in EventTracker

Verify categories

1. Logon to EventTracker Enterprise.
2. Click the Admin menu, and then click Categories.
3. To view imported categories in the Category Tree, expand Windows, and then expand Active Directory group folder.

Verify alerts

1. Logon to EventTracker Enterprise.
2. Click the Admin menu, and then click Alerts.
3. In Search box, type 'Active Directory', and then click the Go button.
   Alert Management page will display all the imported alerts.
4. To activate the imported alerts, select the respective checkbox in the **Active** column. EventTracker displays message box.

5. Click **OK**, and then click the **Activate Now** button.
EventTracker Knowledge Pack

Categories

- **Active Directory Changed objects**: This category based report provides information related to Active Directory objects changed. Objects include users, computers, Organizational Units, shared folders, group and group policy.

- **Active Directory Computer added**: This category based report provides information related to computer added to Windows Active Directory.

- **Active Directory Computer deleted**: This category based report provides information related to computer deleted from Windows Active Directory.

- **Active Directory Created objects**: This category based report provides information related to Active Directory objects created. Objects include users, computers, Organizational Units, shared folders, group and group policy.

- **Active Directory Created share**: This category based report provides information related to share created in Windows environment.

- **Active Directory Deleted objects**: This category based report provides information related to Active Directory objects deleted. Objects include users, computers, Organizational Units, shared folders, group and group policy.

- **Active Directory Deleted share**: This category based report provides information related to share deleted.

- **Active Directory Group added**: This category based report provides information related to group added to Windows Active Directory.

- **Active Directory Group changed**: This category based report provides information related to any changes made to the group.

- **Active Directory Group deleted**: This category based report provides information related to group deleted from Windows Active Directory.

- **Active Directory Group member added**: This category based report provides information related to members added to the group.

- **Active Directory Group member removed**: This category based report provides information related to members are removed from Active Directory group.
- **Active Directory Group policy added**: This category based report provides information related to group policy added to Windows Active Directory.

- **Active Directory Group policy changed**: This category based report provides information related to group policy changed in Windows Active Directory.

- **Active Directory Group policy deleted**: This category based report provides information related to group policy link deleted or group policy permanently deleted from Windows Active Directory.

- **Active Directory Local group added**: This category based report provides information related to local group added to Active Directory.

- **Active Directory Local group deleted**: This category based report provides information related to local group deleted from Active Directory.

- **Active Directory Local group renamed**: This category based report provides information related to local group renamed in Active Directory.

- **Active Directory Logon failures**: This category based report provides information related to authentication request failed.

- **Active Directory Moved objects**: This category based report provides information related to Active Directory objects moved. This event is logged on Windows server 2008 and later operating system.

- **Active Directory Object Modified**: This category based report provides information related to directory service object was modified.

- **Active Directory OU added**: This category based report provides information related to Organization Unit added to Active Directory.

- **Active Directory OU changed**: This category based report provides information related to Organization Unit parameter changed in Active Directory.

- **Active Directory OU deleted**: This category based report provides information related to Organization Unit deleted from Active Directory.

- **Active Directory Renamed share**: This category based report provides information related to a share is renamed.

- **Active Directory Share folder added**: This category based report provides information related to a share folder added.

- **Active Directory Share folder deleted**: This category based report provides information related to share folder deleted.
- **Active Directory Sub OU added**: This category based report provides information related to a Sub Organizational Unit Added.

- **Active Directory Sub OU deleted**: This category based report provides information related to a Sub Organizational Unit deleted.

- **Active Directory Undeleted objects**: This category based report provides information related to Active directory objects undeleted. This event is logged on Windows server 2008 and later operating system.

**Alerts**

- **Active Directory Computer deleted**: This alert is generated when computer is deleted from Windows Active Directory.

- **Active Directory The Active Directory database is corrupt**: This alert is generated when active directory database is corrupt.

- **Active Directory Group policy changed**: This alert is generated when group policy is changed in Windows Active Directory.

- **Active Directory Group policy deleted**: This alert is generated when group policy link is deleted or group policy permanently deleted from Windows Active Directory.

- **Active Directory Database and log file drive error**: This alert is generated when database or log file drive exceeds the storage limit or is full.

- **Active Directory Global catalog error**: This alert is generated when specified domain either does not exist or could not be contacted.
## Sample Report

The detail of a sample report is given below.

<table>
<thead>
<tr>
<th>Log Time</th>
<th>Event ID</th>
<th>User</th>
<th>Object Name</th>
<th>Object Type</th>
<th>Access Type</th>
<th>Admin User Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>07/12/2014 03:00:12 AM</td>
<td>MAAT5S</td>
<td>SHELO2</td>
<td>C:\Inetpub\wwwroot\user</td>
<td>user</td>
<td>Read Property</td>
<td>MAAT5S</td>
</tr>
<tr>
<td>07/12/2014 03:00:14 AM</td>
<td>MAAT5S</td>
<td>SHELO2</td>
<td>C:\Inetpub\wwwroot\user</td>
<td>user</td>
<td>Read Property</td>
<td>MAAT5S</td>
</tr>
<tr>
<td>07/12/2014 03:00:14 AM</td>
<td>MAAT5S</td>
<td>SHELO2</td>
<td>C:\\DC\com</td>
<td>user</td>
<td>Read Property</td>
<td>MAAT5S</td>
</tr>
<tr>
<td>07/12/2014 03:00:14 AM</td>
<td>MAAT5S</td>
<td>SHELO2</td>
<td>C:\\DC\com</td>
<td>user</td>
<td>Read Property</td>
<td>MAAT5S</td>
</tr>
<tr>
<td>07/12/2014 03:00:14 AM</td>
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<td>SHELO2</td>
<td>C:\\DC\com</td>
<td>user</td>
<td>Read Property</td>
<td>MAAT5S</td>
</tr>
<tr>
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<td>SHELO2</td>
<td>C:\\DC\com</td>
<td>user</td>
<td>Read Property</td>
<td>MAAT5S</td>
</tr>
<tr>
<td>07/12/2014 03:00:18 AM</td>
<td>MAAT5S</td>
<td>SHELO2</td>
<td>C:\\DC\com</td>
<td>user</td>
<td>Read Property</td>
<td>MAAT5S</td>
</tr>
</tbody>
</table>

*Figure 7*