



Collecting inventory and generating inventory report

ONTAP 7-Mode Transition

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Collecting inventory and generating inventory report

You can collect information about the Data ONTAP systems (7-Mode systems and nodes of the cluster), switches, hosts, and host applications. By using this information, you can generate inventory report that contains detailed information about the 7-Mode systems, hosts, and host applications for transition assessment.

- You must have downloaded the `ict.exe` file from the NetApp Support Site.
- You must have the user name, password, and IP addresses of the storage systems and hosts for which the inventory report is required.
- The user name for the storage system and hosts must have sufficient privileges to execute the commands.
- If you are adding multiple systems for inventory collection, you must have created a text file that is encoded in ASCII or UTF-8 format and contains the system details, one system per line.

Each system detail must be in the following format:

```
(ontap|windows|vmware|linux|cisco|brocade)://[(domain_user\\user):[password]@]  
(host_name|ip)
```

If you provide `*` as the password, you are prompted to enter the password at the command line.

- All features must be configured and their licenses must be enabled so that the workbook can contain the inventory information about the features.
- All storage system configurations, such as CIFS share names, user names, and group names, must be in the UTF-8 format.
- For the FC zone plan, the 7-Mode systems and hosts must be connected to the switch.

The cluster can be connected either to the same switch as the 7-Mode system or to a new switch in the same fabric.

The Inventory Collect Tool can collect configuration information from a maximum of four controllers and 20 hosts simultaneously. However, for scaled configurations with quotas, qtrees, exports, or UNIX users and groups, it might take a significantly longer time for the inventory report to be generated.



You should avoid performing inventory collection operations on active storage controllers during peak hours.

1. In the Windows command prompt, navigate to the path where the Inventory Collect Tool is downloaded.
2. Generate the inventory report by running the `ict` command with the system IP address and credentials:

If you want to provide information...	Enter the following command...
<p>For each system by using the command-line interface</p>	<pre data-bbox="841 157 1484 262">ict --cmd collect --output filename (ontap windows vmware linux cisco brocade)://[user domain_user]:(password[*])][@]hostname) ...</pre> <ul data-bbox="865 331 1484 483" style="list-style-type: none"> • <i>filename</i> is the name you want to provide for the inventory report. • <i>ontap windows vmware linux</i> is the system type. <p data-bbox="889 520 1484 619">For example, for a 7-Mode storage system, the system type is ontap and for a Linux host, the system type is linux.</p> <ul data-bbox="865 657 1484 808" style="list-style-type: none"> • <i>cisco brocade</i> are the supported FC switches. • <i>user domain_user</i> and <i>password</i> are the system credentials. <p data-bbox="889 846 1484 913">If the controller has no password, you can enter the characters <code>\""</code> as the password.</p> <ul data-bbox="865 951 1484 1018" style="list-style-type: none"> • <i>hostname</i> is the IP address or host name of the controller, host, or switch.
<p>For multiple systems in a text file</p>	<pre data-bbox="841 1071 1484 1134">ict --cmd collect --output filename --input credentials_file.txt</pre> <p data-bbox="841 1176 1484 1270"><i>credentials_file.txt</i> is the text file that contains the system details and credentials for multiple systems:</p> <ul data-bbox="865 1312 1484 1585" style="list-style-type: none"> • Only text files encoded in ASCII format are supported. • If you provide <code>*</code> as the password, you are prompted to enter the password at the command line. • If the controller has no password, then you can enter <code>""</code> as the password.



If your storage system is running Windows 7 or later and you have restricted privileges to the folder where the output XML file for the inventory report will be stored, the output files are automatically stored in the `VirtualStore` directory and the application runs as usual.

The inventory report is created for a storage system and a Linux host. The reports generated are `collected_data.xml` and `collected_data_InventoryWorkbook.xml`:

```
ict --cmd collect --output collected_data ontap://root:test123@hostname1  
linux://root@hostname2
```

The estimated time required for collecting inventory information per controller is displayed.

The inventory workbook and inventory report are generated in XML format.

3. View the inventory workbook in Microsoft Excel by using Microsoft Office 2007 or later versions.

You are ready to import the inventory report XML to the 7-Mode Transition Tool to assess the features and functionalities of the 7-Mode controller and hosts, and to identify how the features and functionalities work in the clustered Data ONTAP version selected for transition.

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