

# Oracle® Cloud

## Using Oracle Managed File Transfer Cloud Service



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# Preface

*Using Oracle Managed File Transfer Cloud Service* describes how to use Oracle Managed File Transfer in the cloud.

**Topics:**

- [Audience](#)
- [Documentation Accessibility](#)
- [Related Resources](#)
- [Conventions](#)

## Audience

This guide is intended for users who want to manage file transfers with Oracle Managed File Transfer Cloud Service in the cloud.

## Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

**Access to Oracle Support**

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

## Related Resources

See these related Oracle resources:

- Oracle Managed File Transfer Cloud Service documentation in the [Oracle Cloud Library on the Oracle Help Center](#).
- Oracle SOA Cloud Service documentation in the [Oracle Cloud Library on the Oracle Help Center](#).
- Oracle Cloud information at <http://www.oracle.com/>.
- *Getting Started with Oracle Cloud*

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## Conventions

The following text conventions are used in this document:

Convention	Meaning
<b>boldface</b>	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
<code>monospace</code>	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

# 1

## Get Started with Oracle Managed File Transfer Cloud Service

Learn about with Oracle Managed File Transfer Cloud Service concepts, provisioning requirements, and tasks.

### Topics:

- [About Oracle Managed File Transfer Cloud Service](#)
- [Platform Differences Between the On-Premises and Cloud Environments](#)
- [Provision an Oracle Managed File Transfer Cloud Service Instance](#)
- [User and Administrator Tasks](#)

## About Oracle Managed File Transfer Cloud Service

Oracle Managed File Transfer (MFT) is a standards-based, end-to-end managed file gateway. Security is maintained with a number of security policies such as OWSM.



### Note:

Oracle Managed File Transfer Cloud Service is no longer available for new accounts. If you're looking for our newest integration functionality, including File Server, go to [Oracle Integration 3](#) on the Oracle Help Center.

To learn more, see:

- [What's New in Oracle Managed File Transfer Cloud Service](#)
- [Using Oracle Managed File Transfer \(12.2.1.4 | 12.2.1.3 | 12.2.1.2 | 12.1.3\)](#).

## Platform Differences Between the On-Premises and Cloud Environments

This table describes high-level differences between running Oracle Managed File Transfer on-premises and in the cloud.

Oracle Managed File Transfer On-Premises	Oracle Managed File Transfer Cloud Service
You install Oracle Managed File Transfer on your own hardware.	<p>You provision Oracle Managed File Transfer Cloud Service from the SOA Cloud Service console. Run the Oracle SOA Cloud Service provisioning wizard and select Oracle Managed File Transfer Cloud Service.</p> <p>See <a href="#">Provision an Oracle Managed File Transfer Cloud Service Instance</a> for information about the Oracle SOA Cloud Service provisioning wizard, including prerequisites for running the wizard.</p> <p>File source and targets are available, but not typically used in the cloud. The FTP server is not typically used in secure environments. It is recommended that you use sFTP exclusively in the cloud.</p>

For a complete list of differences between Oracle SOA in the cloud and on-premises environments, see Platform Differences Between the On-Premises and Cloud Environments in *Administering Oracle SOA Cloud Service*.

## User and Administrator Tasks

Learn about the user and administrator tasks you can perform after you have provisioned an Oracle Managed File Transfer Cloud Service instance and completed the post-provisioning tasks.

### User and Administrator Tasks

Task	Refer to...
Learn about Oracle Managed File Transfer	What You Can Do with Oracle Managed File Transfer ( <a href="#">12.2.1.4</a>   <a href="#">12.2.1.3</a>   <a href="#">12.2.1.2</a>   <a href="#">12.1.3</a> )
Learn about Oracle Managed File Transfer use case patterns	Oracle Managed File Transfer Functional Use Case Patterns ( <a href="#">12.2.1.4</a>   <a href="#">12.2.1.3</a>   <a href="#">12.2.1.2</a>   <a href="#">12.1.3</a> )
Understand Oracle Managed File Transfer architecture	Oracle Managed File Transfer Architecture ( <a href="#">12.2.1.4</a>   <a href="#">12.2.1.3</a>   <a href="#">12.2.1.2</a>   <a href="#">12.1.3</a> )
Understand Oracle Managed File Transfer components	Components of Oracle Managed File Transfer ( <a href="#">12.2.1.4</a>   <a href="#">12.2.1.3</a>   <a href="#">12.2.1.2</a>   <a href="#">12.1.3</a> )
Understand Oracle Managed File Transfer sources, targets, and transfers	Artifacts: Sources, Targets, and Transfers ( <a href="#">12.2.1.4</a>   <a href="#">12.2.1.3</a>   <a href="#">12.2.1.2</a>   <a href="#">12.1.3</a> )
Understand Oracle Managed File Transfer user roles	Oracle Managed File Transfer User Roles ( <a href="#">12.2.1.4</a>   <a href="#">12.2.1.3</a>   <a href="#">12.2.1.2</a>   <a href="#">12.1.3</a> )
Understand Oracle Managed File Transfer navigation	Screen Navigation in Oracle Managed File Transfer ( <a href="#">12.2.1.4</a>   <a href="#">12.2.1.3</a>   <a href="#">12.2.1.2</a>   <a href="#">12.1.3</a> )
Understand retention policies	<a href="#">Review and Configure Retention Policies</a>

## Review and Configure Retention Policies

File storage in the cloud might be constrained so it's important to proactively manage limited file storage services by purging old instances and payloads.

In order to keep your database and storage resources from filling up, periodically purge artifacts from previous transfers. By default, Oracle Managed File Transfer Cloud Service checks daily at 8:00 AM for files that have been around longer than seven days and purges any that it finds. You can change these default values to suit your needs. How often you purge depends on your usage as does the length of time you retain the artifacts.

The tasks in the following topics describe how to change the retention value and the schedule.

### Topics

- [Change the Purge Retention Policy](#)
- [Change the Purge Schedule](#)

## Change the Purge Retention Policy

If you want to change the length of time you retain transfer artifacts such as old instances and payloads, edit the `purgeInstanceData.py` file located on each MFT managed server.

The following steps describe how to change the retention policy.

1. `ssh` to the `mft-purge` directory located under the domain home directory on each managed server VM.
2. **On each MFT managed server**, modify the retention days value by editing the following line in `purgeInstanceData.py`.

```
retentionDays = 7 # Duration for which MFT Data has to be retained
during purge operation
```

For example:

- `retentionDays = 7` purges all data older than 1 week (default)
- `retentionDays = 14` purges all data older than 2 weeks
- `retentionDays = 1` purges all data older than 1 day

This file can be edited at any time and the change takes effect for all future scheduled purges.

## Change the Purge Schedule

By default, Oracle Managed File Transfer Cloud Service checks daily at 8:00 AM for files that have been around longer than the retention value and purges any that it finds. You can change the schedule to suit your needs. How often you purge depends on your usage.

Follow the instructions below if you use Oracle Managed File Transfer Cloud Service release 12.1.3 or 12.2.1. If you use release 12.2.1.2 or later, you can perform this task from the Administration page of the Oracle Managed File Transfer Console.

To change the purge schedule (for release 12.1.3 or 12.2.1):



1. ssh to the `mft-purge` directory located under the domain home directory on each Managed Server VM.
2. **On each MFT Managed Server**, modify the purge schedule by editing the values for `frequency`, `interval`, and `begin_time` in the following line in `purge_schedule.py`.

```
manageSchedulerSchedule('CREATE', 'MFTCustomHostingApp',schName =  
scheduleName, frequency = 'DAY',interval = 1,begin_time =  
'08:00:00:01:01:2015')
```

- **frequency:** The frequency of recurrence. Valid values are: `SECOND`, `MINUTE`, `HOURL`, `DAY`, `WEEK`, `MONTH`, `YEAR`.
- **interval:** The integer value specifying the repeat interval for `frequency`. For example, an `interval` value of 2 combined with a `frequency` of `WEEK`, runs once every 2 weeks.
- **begin\_time:** The start time for the recurring schedule. The format is: `HH:MM:SS:DD:MM:YYYY`.

#### Examples:

- To run once per day at 8:00 AM:

```
manageSchedulerSchedule('CREATE', 'MFTCustomHostingApp',schName  
= scheduleName, frequency = 'DAY',interval = 1, begin_time =  
'08:00:00:01:01:2016')
```

- To run every two days at 8:00 AM:

```
manageSchedulerSchedule('CREATE', 'MFTCustomHostingApp',schName  
= scheduleName, frequency = 'DAY',interval = 2, begin_time =  
'08:00:00:01:01:2016')
```

- To run once per week at midnight:

```
manageSchedulerSchedule('CREATE', 'MFTCustomHostingApp',schName  
= scheduleName, frequency = 'WEEK',interval = 1, begin_time =  
'00:00:00:01:01:2016')
```

3. **On any one of the running Managed Servers**, follow these steps to cancel all existing jobs associated with the schedule:
  - a. Log in to the Oracle Enterprise Manager (EM) console.
  - b. Find **Scheduling Services** in the EM user interface.
  - c. Click **ESSAPP(*mft\_managed\_server*)**. For example, **ESSAP(*mft\_server1*)**.
  - d. Click **Show All Running Jobs**.
  - e. In the search menu that is displayed, find the name of the job you want to delete.

See "Searching for Oracle Enterprise Scheduler Job Requests" in *Administering Oracle Enterprise Scheduler* ([12.2.1.4](#) | [12.2.1.3](#) | [12.2.1.2](#) | [12.1.3](#)).

- f. Click the job request that corresponds to the job you want to delete.
              - g. Click **Actions** and then select **Cancel** to stop the job.
4. Connect to WLST.
  - a. `ssh` to any MFT managed server virtual machine and log in.
  - b. `cd` to the `bin` directory under the MFT installation directory:  

```
cd mft_installation_directory/oracle_common/common/bin
```
  - c. Run the `./wlst.sh` command.
  - d. Use the following command to connect to the server:  

```
connect('username','password','t3://url_to_server:port_number');
```
5. Use the following commands to delete the schedule that you want to update:  

```
manageSchedulerSchedule('DELETE','MFTCustomHostingApp',schName='mft/purgeMFTInstances')
manageSchedulerJobDefn('DELETE','MFTCustomHostingApp',jobName='mft/MFT_Purge')
```
6. Use the following commands to verify that the schedule and job have been deleted from the hosting application.
  - a. `manageSchedulerJobDefn('SHOW','MFTCustomHostingApp')`  
This command lists jobs running on the hosting application. Verify that the job definition you deleted is not listed.
  - b. `manageSchedulerSchedule('SHOW','MFTCustomHostingApp')`  
This command lists schedules running on the hosting application. Verify that the schedule you deleted is not listed.
7. **On any one of the Oracle Managed File Transfer managed server nodes**, run the `startSchedulePurge.sh` script located in the `mft-purge` directory located under the domain home directory on each managed server VM .

To read more about running Oracle Enterprise Scheduler WLST commands, see "Oracle Enterprise Scheduler Custom WLST Commands" in *WLST Command Reference for SOA Suite* ([12.2.1.4](#) | [12.2.1.3](#) | [Oracle 12.2.1.2](#) | [Oracle 12.1.3](#)).

To read more about using Oracle Enterprise Manager to monitor Oracle Enterprise Scheduler jobs, see "Managing Oracle Enterprise Scheduler Requests" in *Administering Oracle Enterprise Scheduler*. ([12.2.1.4](#) | [12.2.1.3](#) | [12.2.1.2](#) | [12.1.3](#)).

# 2

## Provision an Oracle Managed File Transfer Cloud Service Instance

You can provision an Oracle Managed File Transfer Cloud Service instance on either Oracle Cloud Infrastructure or Oracle Cloud Infrastructure Classic.

### Topics:

- [Provision an Oracle Managed File Transfer Cloud Service Instance](#)
- [Post-Provisioning Tasks](#)

## Provision an Oracle Managed File Transfer Cloud Service Instance

Provision Oracle Managed File Transfer Cloud Service in the Oracle SOA Cloud Service provisioning wizard.

To provision an Oracle Managed File Transfer Cloud Service instance:

1. Review and complete the prerequisite steps, as described in Prerequisites in *Administering Oracle SOA Cloud Service*.
2. Follow the steps in Provision an Oracle SOA Cloud Service Instance in *Administering Oracle SOA Cloud Service*.
3. On the Service Type page, select **MFT Cluster**, then complete the provisioning process.

After you complete the provisioning process, you must complete the post-provisioning tasks described in [Post-Provisioning Tasks](#).

## Post-Provisioning Tasks

After you provision your first Oracle Managed File Transfer Cloud Service instance, there are additional post-provisioning tasks you must complete for the service to work correctly.

1. Set up the MFT embedded sFTP server. This task is described in the following tutorial:
  - [Oracle Managed File Transfer Cloud Service Post-Provisioning Task - Setting Up the MFT Embedded sFTP Server](#)
2. Configure one of the following options for the MFT embedded servers:
  - a. Configure both Oracle Compute and Oracle Traffic Director (OTD) for the MFT embedded servers.
    - [Oracle Managed File Transfer Cloud Service Post-Provisioning Task - Configuring Oracle Compute for MFT Embedded Servers](#)
    - [Oracle Managed File Transfer Cloud Service Post-Provisioning Task - Configuring Oracle Traffic Director for MFT Embedded Servers](#)

- b.** Configure only Oracle Compute for the MFT embedded servers.
  - [Oracle Managed File Transfer Cloud Service Post-Provisioning Task - Configuring Oracle Compute for MFT Embedded Servers](#)