



# Aspera On-Demand Server for AWS Quick Start

All Platforms

Version 1.0

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## 1. Introduction

The Aspera On-Demand Server is an Amazon Machine Image (AMI) that designed to operate on the Amazon Web Services (AWS) environment. It contains the following two Aspera products:

<b>On-Demand Connect Server</b>	A web-based <i>fast</i> ™ file transfer server.
<b>On-Demand Console</b>	A transfer and server management application.

You can access these applications through the following paths:

<b>On-Demand Connect Server</b>	<a href="http://The instance's public DNS/">http://The instance's public DNS/</a> <i>Login configuration required</i>
<b>On-Demand Console</b>	<a href="http://The instance's public DNS/aspera/console">http://The instance's public DNS/aspera/console</a> <i>Login: admin/(instance id)</i>

For further assistance, please contact us at <http://asperasoft.com/support>.

## 2. Getting Started

### 2.1 Set Up the On-Demand Server

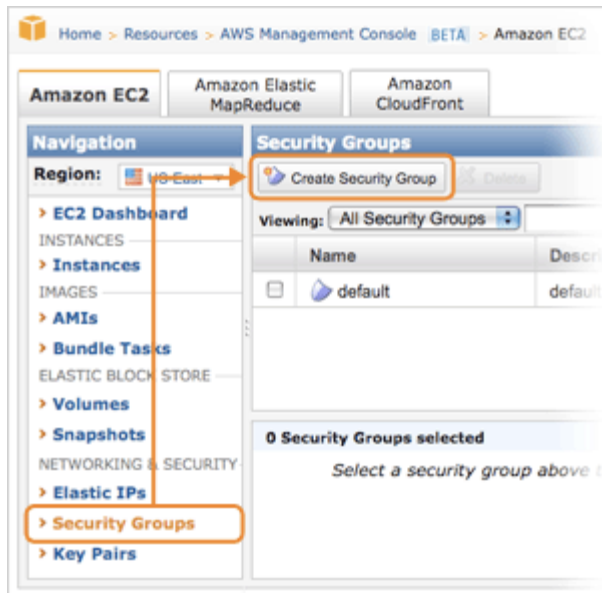
Follow these steps to start using the Aspera On-Demand Server:

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#### Step 1 Prepare the AWS for Aspera AMI

Before using the Aspera On-Demand Server, make sure you have registered the Aspera On-Demand for AWS. You can find the registration page here: <http://asperasoft.com/ondemand/reg>.

Sign in the Amazon Web Services Management Console: <http://aws.amazon.com/console>.



First, create a *Security Group* that prepares the firewall settings for the Aspera On-Demand Server. Go to the **Security Groups** in the *Navigation* sidebar, click **Create Security Group**.

Create a new group for the On-Demand Server, open at least the following ports:

- HTTP - *TCP/80*
- HTTPS - *TCP/443*
- Custom (SSH) - *TCP/33001*
- Custom (*asp*) *UDP/33001*



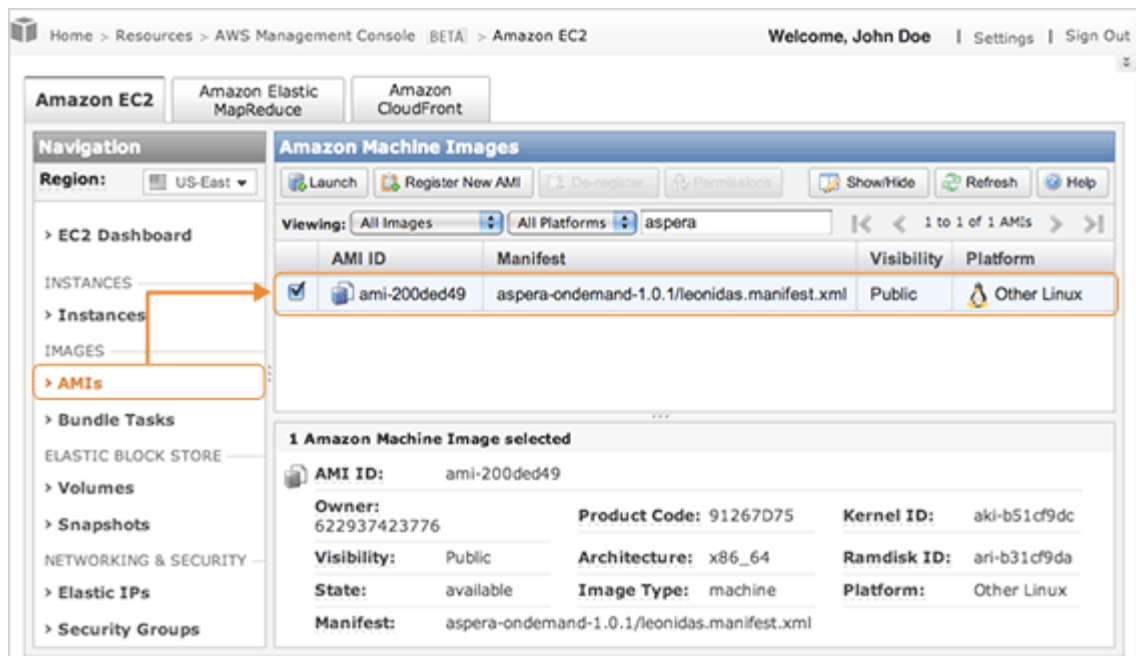
You can use your existing key pair for the Aspera AMI. If you wish to generate a new key pair, go to the **Security Groups** in the *Navigation* sidebar, click **Create Key Pair**. Enter the key pair name and click **Create**, the private key will be downloaded to your computer.

To install the downloaded private key (For example, *asp1.pem*) on your local machine, place the file in the following location on your computer. Replace the *home directory* with the path to your login account's home directory:

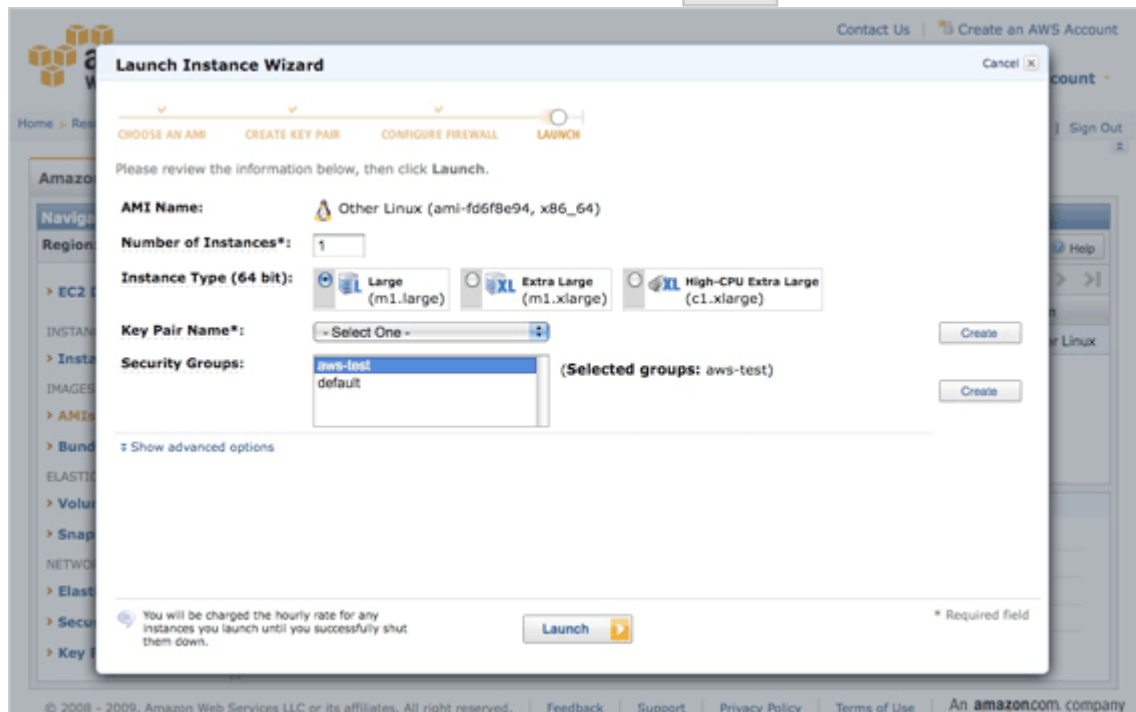
`(home directory)/.ssh/`

## Step 2 Launch the Aspera AMI

In the AWS Management Console, go to the *AMIs* in the *Navigation* sidebar, search for the AMI with the keyword *aspera*, or the exact name referred in the subscription-confirmation page. Launch the AMI.



In the *Launch Instance Wizard*, enter the following info. Click **Launch** when finished:



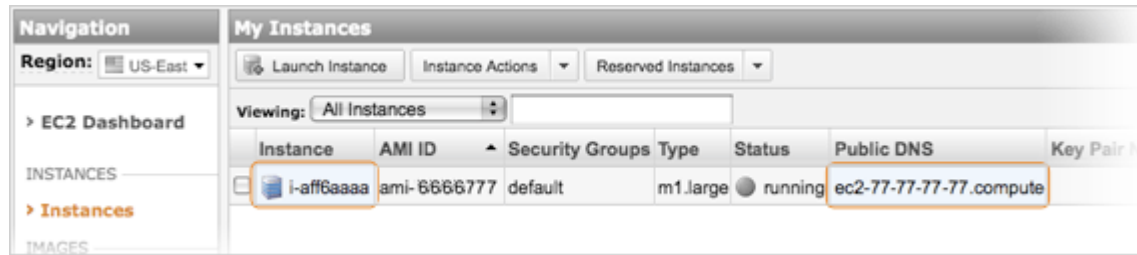
- Select the number of instances *Each instance is a unique Aspera On-Demand Server*
- Select the instance type
- Select the security key pair *Refer to Step 1.*
- Select the Security Groups associated with the Instance *Refer to Step 1.*

### Step 3 Log in the On-Demand Console

When the Aspera AMI is launched, locate it under the *Instances* in the Navigation sidebar. You can

obtain the following On-Demand Server information:

- Login Password *The string in the field `Instance`.*
- Address *The `Public DNS`. Or derive the IP address from its numeric string.*



From the example above, On-Demand Console can be accessed through the information:

**Address:** `https://ec2-77-77-77-77.compute.../aspera/console`  
`https://77.77.77.77/aspera/console`

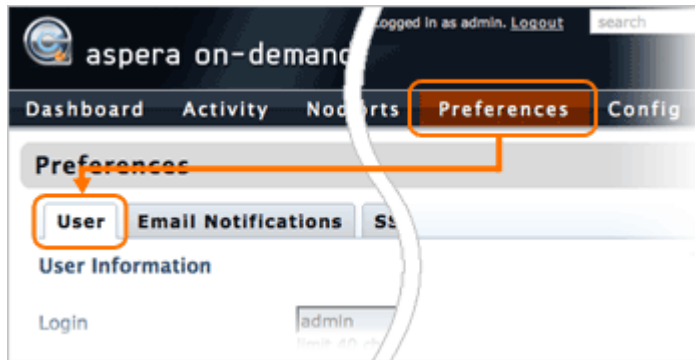
**Username:** admin

**Default Password:** i-aff6aaaa

When accessing the page, the browser may notify you of a untrusted connection, follow the instructions to accept the security certificate.

You need to install the Adobe Flash Player on your computer before using the On-Demand Console. Download the Flash Player from the link: <http://get.adobe.com/flashplayer>.

#### Step 4 Update the admin account info



If you backup and restore the On-Demand Server without updating the password, the original password (The Instance id) will also be stored, which may not match the new instance id.

#### Step 5 Create a transfer user account



A transfer user account should be created in order to start *asp*™ file transfers on this On-Demand Server. In the On-Demand Console, navigate into the **Nodes**, click **edit** in the *127.0.0.1* entry.



In the *Node Maintenance* page, go to the **Accounts** tab and click **Add User**. In the *Creating New User* page, enter the login information and click **Create**. For example, create the user with the following information:

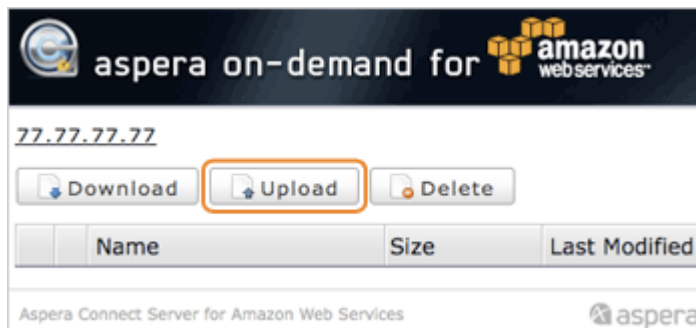
- Login: *asp1*
- Password: *secRet*

### Step 6 Log in the Connect Server and test transfers

Before logging into the Connect Server, make sure you have installed the *Aspera Connect* on your computer. Download the installer here: <http://asperasoft.com/connect>.

When the transfer user account is created, log in the *Connect Server Web UI* and test the transfers. Use the IP address derived from the Step 2, and the credentials created in Step 3. In this example, use the following information:

<b>Address:</b>	<code>http://ec2-77-77-77-77.compute...</code> <code>http://77.77.77.77</code>
<b>Username:</b>	<code>asp1</code>
<b>Password</b>	<code>secRet</code>



When logged in the *Connect Server Web UI*, click **Upload** and try transferring a file to the server.

### Step 7 Log in the Aspera AMI through SSH

To use SSH to log in the Aspera AMI instance, connect to the IP address derived from the Step 2 with your admin credentials. In this example, the Aspera AMI uses the information:

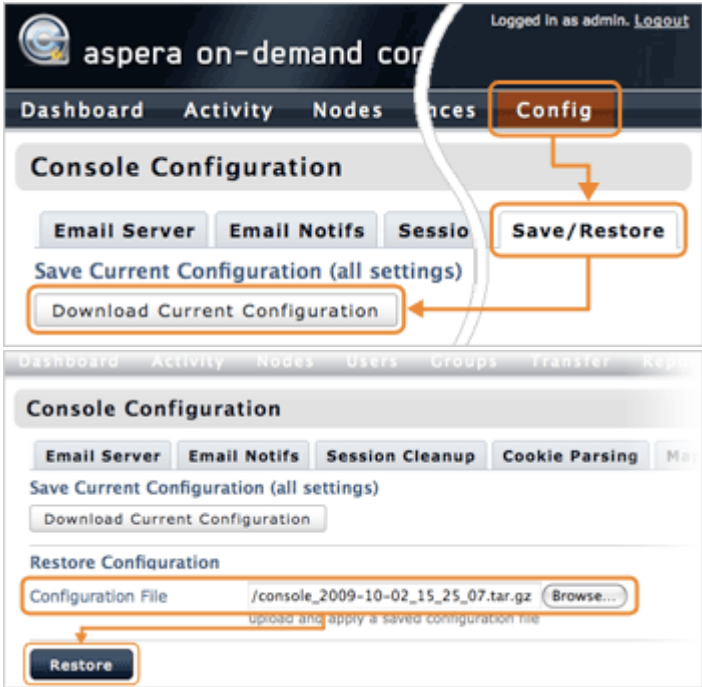
<b>Address:</b>	<code>ec2-77-77-77-77.compute...</code>
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	77.77.77.77
Port number:	33001
Login:	root
Private key file:	~/.ssh/asp1.pem

For example, execute the following command to log in:

```
$ ssh root@77.77.77.77 -p 33001 -i ~/.ssh/asp1.pem
```

**Step 8 Backup and restore the On-Demand Server configuration**



The AMI instance doesn't store any data when terminated, you may want to backup the configuration before shutting down the Aspera AMI. To do so, log in the On-Demand Console and go to **Config > Save/Restore**. Click **Download Current Configuration** and save the file.

To restore the configuration to a new instance, go to the same page of the On-Demand Console (**Config > Save/Restore**), click **Browse** in the *Configuration File* to select the backup file, click **Restore** to load the settings.

**2.2 Manage Your On-Demand Console User Account**

Follow these steps to log in and manage your Console user account:

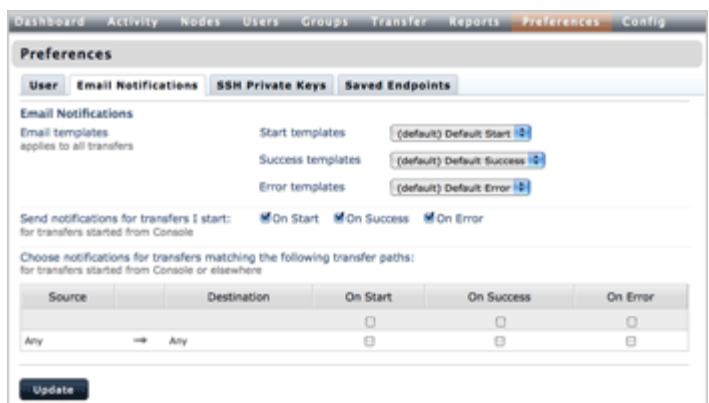
**Step 1 Update the user information**



When logged in the On-Demand Console, click **Preferences** from the Console menu to edit all the user account settings.

Under the **User** tab, you can modify your user information, including the password, user first name and last name, e-mail address, and time zone. When finished, click **Update**.

**Step 2 Set up the email notification**



You can configure the email notifications of particular transfer events in the *Email Notification* tab. For example, send notification to file sender and receiver when transfer is completed successfully. Select the template to use under the *Email templates* section, and check the event which you like to be notified. Click **Update** when finished.

### Step 3 Manage the Saved Endpoints

When you enter an endpoint of a node to initiate a transfer, for example, *asp1@10.0.0.10*, Console automatically saves this endpoint (combination of the login credentials and node address) under your user account. To manage endpoints, go to *Saved Endpoints* tab in the **Preferences** Console menu. You can modify, test, and remove a saved endpoint by using **edit**, **test** and **delete** respectively.

### Step 6 Add SSH private keys

If you wish to transfer files through the On-Demand Console, using the key-based authentication, go to the **SSH Private Keys** tab and click **New SSH Private Key** to upload the private key. Complete the form and click **Save** :

**Note:** The **Real name** value should match the private key file name.

Unique name	A unique name to represent this key file.
Real name	The private key file name.
Private Key file	Select the private key file to upload.
Passphrase / Confirm passphrase	Enter the passphrase of the key, if any. Enter the passphrase again in the <i>Confirm passphrase</i> field.

**Connection Test For: asp1**

Host	<input type="text" value="10.0.113.1"/>
SSH Port	<input type="text" value="22"/>
Username	<input type="text" value="asp1"/>

When a SSH private key is added, you can test the connection by clicking the **Test** button, entering the IP address of the computer that has the pairing public key installed and corresponding user name. Finally, click the **Connect** button.

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## Reference

[Aspera On-Demand Server for AWS Admin Guide](#)

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