

# Rapid Miner in Amazon EC2

Short Guide

# Things you need to have before you start this guide

- An account with Amazon
- An account with Amazon AWS (Amazon Web Services):
- <https://aws-portal.amazon.com/gp/aws/developer/registration/index.html>
- The first time you sign in, you will have to create your “Access Keys”
- I did this a long time ago. I recommend you watch: <http://www.youtube.com/watch?v=RkVSkL76U-M>

# Signing in

- Go to <http://www.amazon.com/aws> and sign in



[Sign in to the AWS Management Console](#) | [Create an AWS Account](#) | [English](#)

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Enable applications, end-users, and devices to instantly send and receive notifications from the cloud.

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[Sign Up Now](#)

## News & Events

What's New?	Media Coverage	Upcoming Events
Jul 14, 2010 <a href="#">Amazon S3 Announces Enhanced Support for Reduced Redundancy Storage</a>		Jul 06, 2010 <a href="#">Amazon S3 Announces Support for Bucket Policies</a>
Jul 13, 2010 <a href="#">Announcing Cluster Compute Instances for Amazon EC2</a>		Jul 01, 2010 <a href="#">Amazon SQS introduces Free Tier and adds Support for Larger Messages and Longer Retention</a>
Jul 13, 2010 <a href="#">Amazon Virtual Private Cloud Adds IP Address Assignment Capability</a>		Jun 14, 2010 <a href="#">Amazon CloudWatch Adds Monitoring for Amazon EBS Volumes</a>

[RSS](#) [View all](#)

## Get Started

- ### Business Managers
- Learn how Amazon Web Services enables you to reach business goals faster:
- [Solutions & Use Cases](#)
  - [Security Center](#)
  - [Economics Center](#)
  - [Case Studies](#)
  - [Service Health Dashboard](#)
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## Amazon Web Services Sign In

You may sign in using your existing Amazon account or you can create a new account by selecting "I am a new user."

My e-mail address is:

- I am a new user.
- I am a returning user and my password is:

[Sign in using our secure server](#)

[Forgot your password?](#)

[Has your e-mail address changed?](#)

- After you sign in, you are taken directly to the EC2 Dashboard
- Here you can check your instances running
- Obviously, when you start you will have none

## Navigation

Region:  US East ▾

## &gt; EC2 Dashboard

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## &gt; Key Pairs

## Amazon EC2 Console Dashboard


## Getting Started

To start using Amazon EC2 you will want to launch a virtual Amazon server, known as an Amazon EC2 instance.

[Launch Instance](#) 









Note: Your instances will launch in the US East (Virginia) region.

## Service Health

Current Status	Details
 Amazon EC2 (US East - N. Virginia)	Service is operating normally <a href="#">View complete service health details</a>

## My Resources

You are using the following Amazon EC2 resources in the US East (Virginia) region: [Refresh](#)

 <b>0 Running Instances</b>	 <b>0 Elastic IPs</b>
 <b>2 EBS Volumes</b>	 <b>0 EBS Snapshots</b>
 <b>2 Key Pairs</b>	 <b>5 Security Groups</b>
 <b>0 Load Balancers</b>	 <b>0 Placement Groups</b>

## Related Links

- > [Documentation](#)
- > [All EC2 Resources](#)
- > [Forums](#)
- > [Feedback](#)
- > [Report an Issue](#)

# Key-Pair

- Before we can run an instance, we have to create a key-pair (don't ask me what this is; it is part of the security protocol)
- You'll only have to do this once (the key-pairs are reusable)
- Click Key-Pairs on the left pane



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## Amazon EC2 Console Dashboard

### Getting Started

To start using Amazon EC2 you will want to launch a virtual Amazon server, known as an Amazon EC2 instance.

Launch Instance

Note: Your instances will launch in the US East (Virginia) region.

### Service Health

Current Status	Details
Amazon EC2 (US East - N. Virginia)	Service is operating normally <a href="#" style="font-size: small; color: #4a7ebb;">&gt; View complete service health details</a>

### My Resources

You are using the following Amazon EC2 resources in the US East (Virginia) region:  Refresh

- 0 Running Instances
- 0 Elastic IPs
- 2 EBS Volumes
- 0 EBS Snapshots
- 2 Key Pairs
- 5 Security Groups
- 0 Load Balancers
- 0 Placement Groups

### Related Links

- > Documentation
- > All EC2 Resources
- > Forums
- > Feedback
- > Report an Issue

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- (I have two key-pairs already created, but let's create one)
- Click the button "Create Key Pair"
- Give the key the name you want. Here I'm naming it **RapidMinerDemo**
- A file named **RapidMinerDemo.pem** will be created. Save it in your computer.
- We will need this key later on

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  - > **Key Pairs**

### Key Pairs

Create Key Pair Delete Show/Hide Refresh Help

Viewing: All Key Pairs 1 to 2 of 2 Items

	Key Pair Name	Fingerprint
<input type="checkbox"/>	pipunkey	
<input type="checkbox"/>	DemoOsfman	

0 Key Pairs selected

Select a key pair above to view information

#### Create Key Pair

Cancel X

Key Pair Name:

Create

- Now click on **Instances** on the left pane

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  - > **Key Pairs**

**Key Pairs**

Create Key Pair Delete Show/Hide Refresh Help

Viewing: All Key Pairs 1 to 3 of 3 Items

	Key Pair Name	Fingerprint
<input checked="" type="checkbox"/>	RapidMinerDemo	
<input type="checkbox"/>	pipunkey	
<input type="checkbox"/>	DemoOsfman	

**1 Key Pair selected**

**Key Pair Name:** RapidMinerDemo

**Fingerprint:**

Navigation

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My Instances

 Launch Instance

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Viewing: All Instances

All Instance Types

⏪ < No Instances > ⏩

You do not have any running instances.  
Click the Launch Instances button to start your own server.

 Launch Instance

- Click on the the button “Launch Instance”
- You’ll get the “Request Instances Wizard”
- Scroll down until you find “Basic 64-bit Windows Server 2008”, AMI Id: ami-d9e40db0
- Click the button “Select” next to the instance’s name

## Request Instances Wizard

Cancel 



Choose an Amazon Machine Image (AMI) from one of the tabbed lists below by clicking its **Select** button.

Quick Start	My AMIs	Community AMIs
	<b>Basic 64-bit Fedora Core 8</b> (AMI Id: ami-86db39ef) Fedora Core 8, 64-bit architecture, and Amazon EC2 AMI tools.	<input type="button" value="Select"/>
	<b>Getting Started on Microsoft Windows Server 2008</b> (AMI Id: ami-c5e40dac) Microsoft Windows Server 2008 R1 SP2 Datacenter edition, 32-bit architecture, Microsoft SQLServer 2008 Express, Internet Information Services 7, ASP.NET 3.5.	<input type="button" value="Select"/>
	<b>Basic Microsoft Windows Server 2008</b> (AMI Id: ami-c3e40daa) Microsoft Windows 2008 R1 SP2 Datacenter edition and 32-bit architecture.	<input type="button" value="Select"/>
	<b>Basic 64-bit Microsoft Windows Server 2008</b> (AMI Id: ami-d9e40db0) Microsoft Windows 2008 R1 SP2 Datacenter edition and 64-bit architecture.	<input type="button" value="Select"/>
	<b>Microsoft SQLServer 2008 on Windows Server 2008</b> (AMI Id: ami-dde40db4) Microsoft Windows Server 2008 R1 SP2 Datacenter edition, 64-bit architecture, and Microsoft SQLServer 2008 Standard.	<input type="button" value="Select"/>
	<b>Basic Cluster Instances HVM CentOS 5.4</b> (AMI Id: ami-7ea24a17) Minimal CentOS 5.4, 64-bit architecture, and HVM-based virtualization for use with Amazon EC2 Cluster Instances.	<input type="button" value="Select"/>





- Now you have to select :
- **The numbers of instances = 1**
- **The availability zone = US or Europe**
- **The Instance Type= Large (m1.large, 7.5 Gb)**
- For this demo, we only want ONE instance
- The availability zone depends on where you are (the US for me, Europe for many RapidMiner users)
- I've selected the cheapest Instance Type (\$0.48/hour), but you have choices
- Now you'll get the "Instance Details". Click "Continue"


# Instance Types

- You can check the details at:
- <http://aws.amazon.com/ec2/instance-types/>
- Windows instances are more expensive
- The instance I selected (m1.large) has this description:

## **Large Instance**

7.5 GB memory  
4 EC2 Compute Units (2 virtual cores with 2 EC2 Compute Units each)  
850 GB instance storage (2×420 GB plus 10 GB root partition)  
64-bit platform  
I/O Performance: High  
API name: m1.large

## Request Instances Wizard

Cancel 

CHOOSE AN AMI

INSTANCE DETAILS

CREATE KEY PAIR

CONFIGURE FIREWALL

REVIEW

**Number of Instances:** 1

**Availability Zone:** us-east-1d

### Advanced Instance Options

Here you can choose a specific [kernel](#) or [RAM disk](#) to use with your instances. You can also choose to enable CloudWatch Monitoring or enter data that will be available from your instances once they launch.

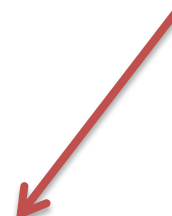
**Kernel ID:**

**RAM Disk ID:**

**Monitoring:**  Enable CloudWatch Monitoring for this instance  
(additional charges will apply)

**User Data:**

base64 encoded



< Back

Continue 

# Key-Pair

- Now you have to select the key-pair you created earlier on
- Select it
- Click “Continue”

## Request Instances Wizard

Cancel 



Public/private key pairs allow you to securely connect to your instance after it launches. To create a key pair, enter a name and click **Create & Download your Key Pair**. You will then be prompted to save the private key to your computer. Note, you only need to generate a key pair once - not each time you want to deploy an Amazon EC2 instance.

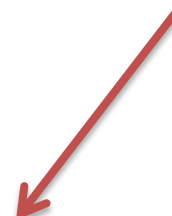
### Choose from your existing Key Pairs

Your existing Key Pairs\*:



### Create a new Key Pair

### Proceed without a Key Pair



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Continue 

# Security Groups

- Now we have to select or create a security group
- To run RapidMiner in the Windows Server the only port you need is RDP (add other ports if you want: ssh, http, https...)
- So, accept the suggested default
- Name the group **RapidMiner**
- You only have to create Security Groups once
- In the future, you can reuse them

# Security Group

**Request Instances Wizard** Cancel

CHOOSE AN AMI    INSTANCE DETAILS    CREATE KEY PAIR    **CONFIGURE FIREWALL**    REVIEW

Security groups determine whether a network port is open or blocked on your instances. You may use an existing security group, or we can help you create a new security group to allow access to your instances using the suggested ports below. Add additional ports now or update your security group anytime using the Security Groups page. All changes take effect immediately.

Choose one or more of your existing Security Groups

**Create a new Security Group**

1. Name your Security Group

2. Describe your Security Group

3. Define allowed Connections

Application	Transport	Port	Source Network (IPv4 CIDR)	Actions
RDP	tcp	3389	All Internet	<input type="button" value="Remove"/>
<input type="text" value="Select..."/>	-	-	All Internet Change	<input type="button" value="Add Rule"/>

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# Review

- Now you'll get a final review of the details of this instance
- If everything looks fine to you, click "Launch Instance"
- You'll get a confirmation screen telling you the instance launched successfully.
- Click "Close"




## Request Instances Wizard

Cancel 



Please review the information below, then click **Launch**.

**AMI:**  Windows AMI ID ami-d9e40db0 (x86\_64)

**Name:** Basic 64-bit Microsoft Windows Server 2008

**Description:** Microsoft Windows 2008 R1 SP2 Datacenter edition and 64-bit architecture.

[Edit AMI](#)

**Number of Instances:** 1

**Availability Zone:** us-east-1d

**Instance Type:** Large (m1.large)

**Instance Class:** On Demand

[Edit Instance Details](#)

**Monitoring:** Disabled

**Kernel ID:** Use Default

**RAM Disk ID:** Use Default

**User Data:**

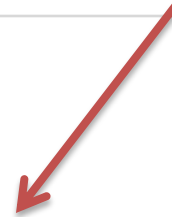
[Edit Advanced Details](#)

**Key Pair Name:** RapidMinerDemo

[Edit Key Pair](#)

**Security Group(s):** RapidMiner

[Edit Firewall](#)




[< Back](#)

**Launch** 

## Launch Instance Wizard

Cancel 

 **Your instances are now launching.**

Note: Your instances may take a few minutes to launch, depending on the software you are running.

> [View your instances on the Instances page](#)

---

## Other EC2 Features

### Volumes

EBS Volumes provide off-instance storage that persists independently of the life of an instance. Add a new storage device to an instance using the Elastic Block Store (EBS) Volumes page.

> [Go to the Volumes Page](#)

Loading, please wait...



[esc] to cancel

Elastic IP addresses allow you to remap a public IP address to an instance in your account. Elastic IPs also enable you to solve networking problems by quickly remapping your IP address to a replacement instance.

> [Go to the Elastic IPs Page](#)

---

Close 

- Now we are taken back to the “Instances” screen
- For a while, the status of the instance just created will be “Pending”
- Eventually, it will turn green and the status will be “Running”
- Click on the instance to get its details

Amazon S3

**Amazon EC2**

Amazon Elastic  
MapReduce

Amazon  
CloudFront

Amazon RDS

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### My Instances

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 Show/Hide



 Refresh

 Help

Viewing: All Instances ▾

All Instance Types ▾

1 to 1 of 1 Instances <>

Instance	AMI ID	Root Device	Type	Status	Lifecycle	Public DNS
<input type="checkbox"/>  i-a870d0c2	ami-d9e40db0	ebs	m1.large	 running	normal	ec2-184-72-148-201.compute-1.amazonaws.com



**0 EC2 Instances selected**

Select an instance above

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**My Instances**

Viewing: All Instances All Instance Types 1 to 1 of 1 Instances

Instance	AMI ID	Root Device	Type	Status	Lifecycle	Public DNS
<input checked="" type="checkbox"/> i-a870d0c2	ami-d9e40db0	ebs	m1.large	running	normal	ec2-184-72-148-201.compute-1.amazonaws.com

1 EC2 Instance selected

**EC2 Instance: i-a870d0c2**

Description		Monitoring	
<b>AMI ID:</b>	ami-d9e40db0	<b>Zone:</b>	us-east-1d
<b>Security Groups:</b>	RapidMiner	<b>Type:</b>	m1.large
<b>Status:</b>	running	<b>Owner:</b>	618748120321
<b>Virtualization:</b>	hvm	<b>Placement Group:</b>	
<b>Reservation:</b>	r-d955ceb2	<b>RAM Disk ID:</b>	-
<b>Platform:</b>	windows	<b>Key Pair Name:</b>	RapidMinerDemo
<b>Kernel ID:</b>	-	<b>Monitoring:</b>	disabled
<b>AMI Launch Index:</b>	0	<b>Elastic IP:</b>	-
<b>Root Device:</b>	/dev/sda1	<b>Root Device Type:</b>	ebs

# Administrator Password


- It will take 10-20 more minutes for the system to generate the Administrator Password. Be patient.
- Right click the instance and click on “Get Administrator Password”
- For the first minutes, you’ll get



# Administrator Password

- After a while, the password will be ready
- Open the key-pair file you saved earlier on. Open it with a text editor and copy its contents to the box “Private Key”
- Include the entire text.
- Click “Decrypt Password”
- Now you’ll be able to see the password. Write it down.
- Click “Close”

## Retrieve Default Windows Administrator Password

Cancel 

To access this instance remotely (e.g., Remote Desktop Connection), you will need your Windows Administrator password. A default password was created when the instance was launched and is available encrypted in the system log.

To decrypt your password, you will need your key pair for this instance. Simply copy & paste the contents of your private key file into the text box below, then click **Decrypt Password**.



**Instance:** i-a870d0c2



\* Required field

**Encrypted Password:**

NLig6MjvZUh1EmzwbB6103/l/mNkr5lHi0y8d1+6TiH86...

**Key Pair:** RapidMinerDemo.pem

Note: You were prompted to download and save this when you created your key pair.


**Private Key\*:**

Please include the entire text, including the Begin and End lines (Ex: "-----BEGIN RSA PRIVATE KEY-----")

Decrypt Password



## Retrieve Default Windows Administrator Password

Cancel 

 **Password decrypted for instance i-a870d0c2**



### Password change recommended.

We recommend that you change your password to one you will remember and know privately.

Please note that passwords can persist through bundling phases and will not be retrievable through this tool. It is therefore important that you change your password to one that you will remember if you intend to bundle a new AMI from this instance.

---

You can connect remotely using this information:

**Computer:** ec2-184-72-148-201.compute-1.amazonaws.com

**User:** Administrator

**Decrypted Password:**



---

Close

# Connecting to the Server

- Now right click the instance again
- Select this time “Connect”
- Now you have 2 choices.
- 1) You can download a shortcut
- 2) You can follow the steps
- The first one is easier. I'll download the file to my desktop.

Amazon S3

**Amazon EC2**

Amazon Elastic MapReduce

Amazon CloudFront

Amazon RDS

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All Instance Types

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Instance	AMI ID	Root Device	Type	Status	Lifecycle	Public DNS
<input checked="" type="checkbox"/> i-a870d0c2	ami-d9e40db0	ebs	m1.large	running	normal	ec2-184-72-148-201.compute-1.amazonaws.com

Instance Management

Connect

Get System Log

Create Image (EBS AMI)

Bundle Instance (S3 AMI)

Get Windows Password

Launch More Like This

Disassociate IP Address

Instance Lifecycle

Terminate

Reboot

Stop

Start

CloudWatch Monitoring

Enable CloudWatch

Disable CloudWatch

1 EC2 Instance selected

EC2 Instance: i-a870d0c2

Description

Monitoring

AMI ID: ami-d9e40db0

Security Groups: RapidMiner

Status: running

Virtualization: hvm

Reservation: r-d955ceb2

Platform: windows

Kernel ID: -

AMI Launch Index: 0

Root Device: /dev/sda1

Instance Lifecycle: us-east-1d

Instance Type: m1.large

Instance ID: i-a870d0c2

Placement Group: -

Subnet ID: -

Instance Profile Name: RapidMinerDemo

Monitoring: disabled

Elastic IP: -

Root Device Type: ebs

## Console Connect - Remote Desktop Connection

Cancel X

**Instance:** i-a870d0c2

Use Remote Desktop Connection software to connect to your instance. Remote Desktop Connection is pre-installed on most Windows operating systems.

To access your instance using Remote Desktop Connection you can follow one of these two options:

### OPTION 1: **Shortcut File**

Click the link below to download the Remote Desktop config file which you can either open to connect to your instance or save to your desktop as shortcut.

 [Download shortcut file](#)

### OPTION 2: **Step-by-Step Instructions**

1. Open the Remote Desktop Connection client.
  - a. On Windows XP, go to Start -> All Programs -> Accessories -> Communications -> Remote Desktop Connection.
  - b. On Windows Vista, go to Start -> All Programs -> Accessories -> Remote Desktop Connection.
2. Connect to your instance using instance's public DNS [ec2-184-72-148-201.compute-1.amazonaws.com].

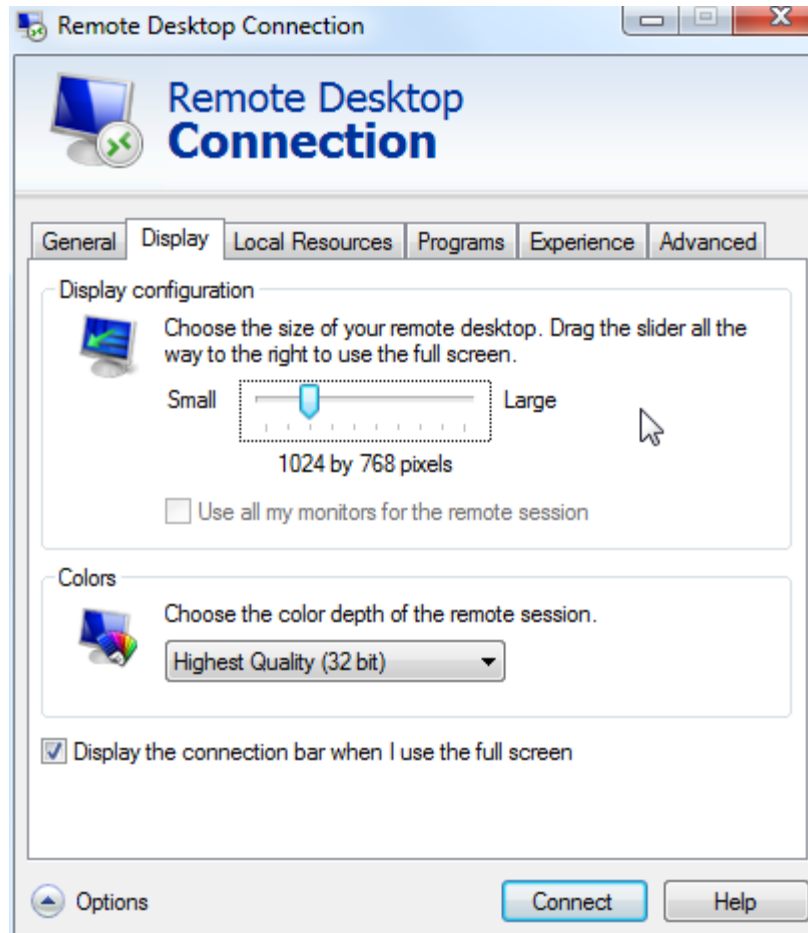
Note: To access this instance remotely, you will need your Windows Administrator password. A default password was created when the instance was launched and is available encrypted in the system log. You can access and decrypt this password by using the "Get Default Administrator Password" tool, which is available via right-click or under the "More Actions" button.

Close



ec2-184-72-1  
48-201.comp  
ute-1.amazo  
naws.com.rd  
p

- Now you can right click on this shortcut
- Select “Edit”
- Click “Options” if don’t see any
- Change the settings as you wish
- I myself change the display settings to less than full screen
- In Local Resources I add folders from my local machine
- When you are happy with your setting, click “Connect”
- You’ll be asked for your Administrator Password.
- Enter it





Windows Security

### Enter your credentials

These credentials will be used to connect to  
ec2-184-72-148-201.compute-1.amazonaws.com.

---

 Administrator

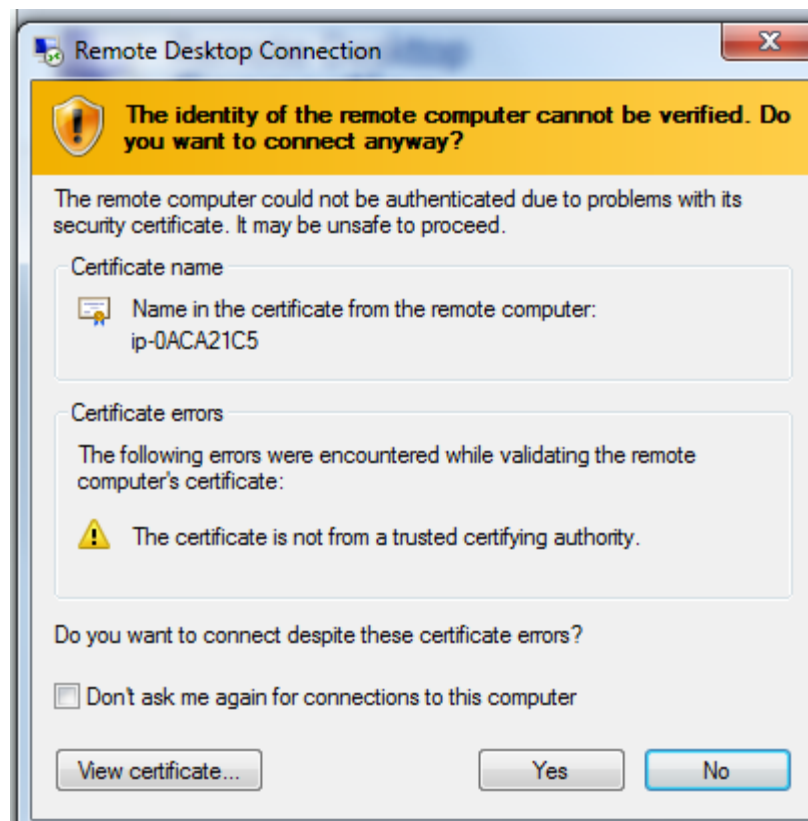
 Use another account

Remember my credentials

OK Cancel



- Now I get a warning which I ignore
- I connect despite the warning, clicking YES



○ Preparing your desktop...



- You are asked now to select a location for your network
- I select HOME



Recycle Bin

### Set Network Location

#### Set Network Location

#### Select a location for the 'Network' network

Windows will automatically apply the correct network settings for the location.



#### Home

Choose this for a home or similar location. Your computer is discoverable and you can see other computers and devices.



#### Work

Choose this for a workplace or similar location. Your computer is discoverable and you can see other computers and devices.



#### Public location

Choose this for airports, coffee shops, and other public places or if you are directly connected to the Internet. Discovery of other computers and devices is limited.

[Customize the name, location type, and icon for the network](#)

[Help me choose](#)

Cancel

- Guess what, boys & girls?
- We have a Windows machine in the cloud!
- Before you open the Internet Explorer, you have to be aware that the security has been set to “INSANELY HIGH”
- To download JAVA and RapidMiner, you might want to turn it off temporarily

- Click on the Server Manager (Bottom Right Corner –next to Start Button)



- Click on the Root of the Server manager
- Click on the link “Configure IE Esc”
- Turn it off for the administrator (you) of the server



Server Manager

File Action View Help

Server Manager (IP-0ACA21C5)

Get an overview of the status of this server, perform top management tasks, and add or remove server roles and features.

**Server Summary** [Server Summary Help](#)

**Computer Information**

Full Computer Name:	ip-0ACA21C5
Workgroup:	WORKGROUP
Local Area Connection 2:	IPv4 address assigned by DHCP, IPv6 enabled
Remote Desktop:	Enabled
Product ID:	92577-082-2500446-76441

Do not show me this console at logon

**Security Information**

Windows Firewall:	On
Windows Updates:	Never check for updates
Last checked for updates:	Never
Last installed updates:	Never
IE Enhanced Security Configuration (ESC):	On for Administrators On for Users

[Change System Properties](#)  
[View Network Connections](#)  
[Configure Remote Desktop](#)

[Go to Windows Firewall](#)  
[Configure Updates](#)  
[Check for New Roles](#)  
[Run Security Configuration Wizard](#)  
[Configure IE ESC](#)

**Roles Summary** [Roles Summary Help](#)

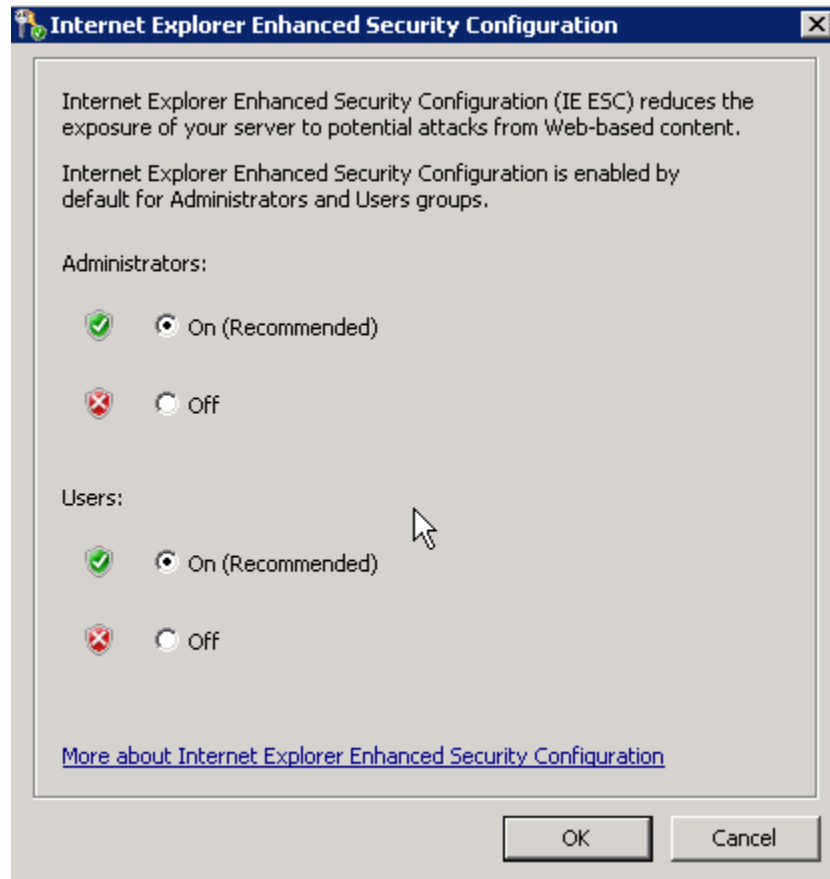
**Roles:** 0 of 18 installed [Go to Roles](#)

Last Refresh: 7/24/2010 4:39:10 AM [Configure refresh](#)

Server Manager (IP-0ACA21C5)

- Roles
- Features
- Diagnostics
- Configuration
- Storage

Root



# Download & Install Java

- Open the Internet Explorer
- Go to :
- <http://www.java.com>
- Click on “Free Java Download”
- Follow the steps.

java.com: Java + You - Windows Internet Explorer

http://www.java.com/en/

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Java

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Feedback

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# Download & Install RapidMiner

- Download the 64-bit version of RM 5.0 from:
- <http://downloads.sourceforge.net/project/yale/1.%20RapidMiner/5.0/rapidminer-5.0.008x64-install.exe?ts=1279943107>

## RapidMiner -- Data Mining, ETL, OLAP, BI

**Download Now!**  
rapidminer-5.0.008x64-ins... (49.5 MB)

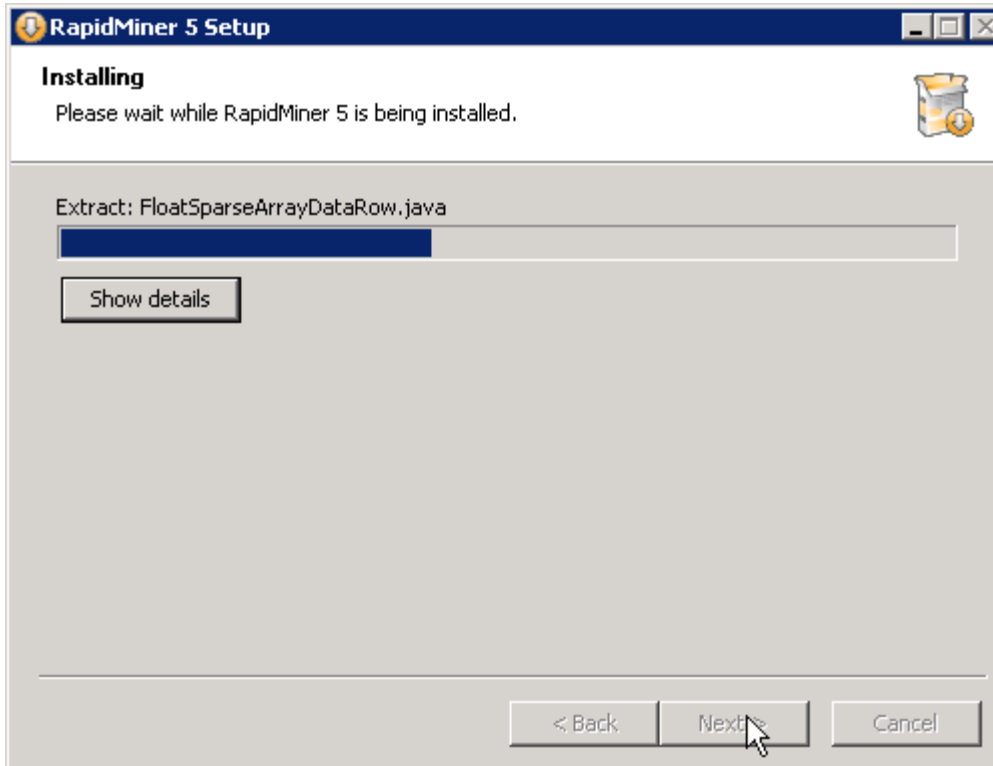
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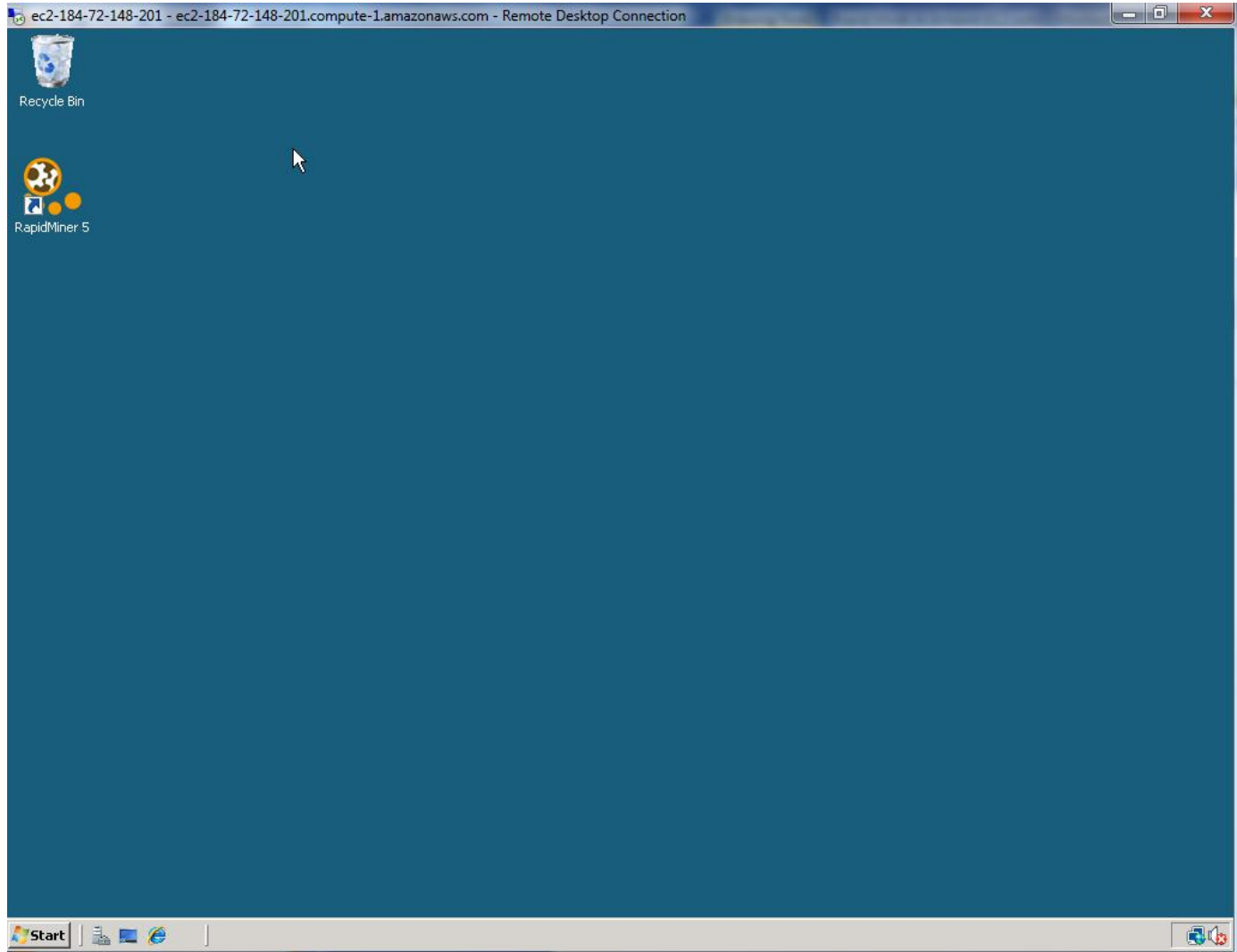
**ETL Open Source Downlo**  
Fast, Powerful, Affordable, EasyMi







# That's all folks!



# Terminate your instance

- After you are done, DON'T FORGET TO TERMINATE your instance
- You will be billed whether you use or not
- So let's go back to the Control Panel in Amazon
- Select the instance we created earlier
- Right click it and select "Terminate"

**Navigation**

Region: US East

> **EC2 Dashboard**

INSTANCES

- > Instances
- > Spot Requests

IMAGES

- > AMIs
- > Bundle Tasks

ELASTIC BLOCK STORE

- > Volumes
- > Snapshots

NETWORKING & SECURITY

- > Elastic IPs
- > Security Groups
- > Placement Groups
- > Load Balancers
- > Key Pairs

**My Instances**

Viewing: All Instances | All Instance Types | 1 to 1 of 1 Instances

	Instance	AMI ID	Root Device	Type	Status	Lifecycle	Public DNS
<input checked="" type="checkbox"/>	i-a870d0c2	ami-d9e40db0	ebs	m1.large	running	normal	ec2-184-72-148-201.compute-1.amazonaws.com

**Instance Management**

- Connect
- Get System Log
- Create Image (EBS AMI)
- Bundle Instance (S3 AMI)
- Get Windows Password
- Launch More Like This
- Disassociate IP Address

---

**Instance Lifecycle**

- Terminate**
- Reboot
- Stop
- Start

---

**CloudWatch Monitoring**

- Enable CloudWatch
- Disable CloudWatch

**1 EC2 Instance selected**

**EC2 Instance: i-a870d0c2**

**Description** | **Monitoring**

<b>AMI ID:</b>	ami-d9e40db0	<b>Type:</b>	m1.large
<b>Security Groups:</b>	RapidMiner	<b>Owner:</b>	618748120321
<b>Status:</b>	running		

us-east-1d

## Terminate Instances

Cancel

Are you sure you want to terminate this instance?

- i-a870d0c2



Close

Yes, Terminate



Amazon S3

**Amazon EC2**

Amazon Elastic  
MapReduce

Amazon  
CloudFront

Amazon RDS

Navigation

Region: US East

> EC2 Dashboard

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> Key Pairs

My Instances

Launch Instance

Instance Actions

Reserved Instances

Show/Hide

Refresh

Help

Viewing: All Instances

All Instance Types

1 to 1 of 1 Instances

Instance	AMI ID	Root Device	Type	Status	Lifecycle	Public DNS
i-a870d0c2	ami-d9e40db0	ebs	m1.large	shutting-d	normal	ec2-184-72-148-201.compute-1.amazonaws.com



1 EC2 Instance selected

EC2 Instance: i-a870d0c2

Description

Monitoring

AMI ID: ami-d9e40db0

Zone: us-east-1d

Security Groups: RapidMiner

Type: m1.large

Status: shutting-down

Owner: 618748120321

# Now we are done.

Amazon S3 **Amazon EC2** Amazon Elastic MapReduce Amazon CloudFront Amazon RDS

Navigation  
Region: US East

- > EC2 Dashboard
- INSTANCES
  - > Instances
  - > Spot Requests
- IMAGES
  - > AMIs
  - > Bundle Tasks
- ELASTIC BLOCK STORE
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- NETWORKING & SECURITY
  - > Elastic IPs
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  - > Load Balancers
  - > Key Pairs

### My Instances

Launch Instance Instance Actions Reserved Instances Show/Hide Refresh Help

Viewing: All Instances All Instance Types 1 to 1 of 1 Instances

Instance	AMI ID	Root Device	Type	Status	Lifecycle	Public DNS
i-a870d0c2	ami-d9e40db0	ebs	m1.large	terminated	normal	

1 EC2 Instance selected

#### EC2 Instance: i-a870d0c2

Description Monitoring

AMI ID:	ami-d9e40db0	Zone:	us-east-1d
Security Groups:	RapidMiner	Type:	m1.large
Status:	shutting-down	Owner:	618748120321