

# **How to install Patch Manager Plus at AWS**

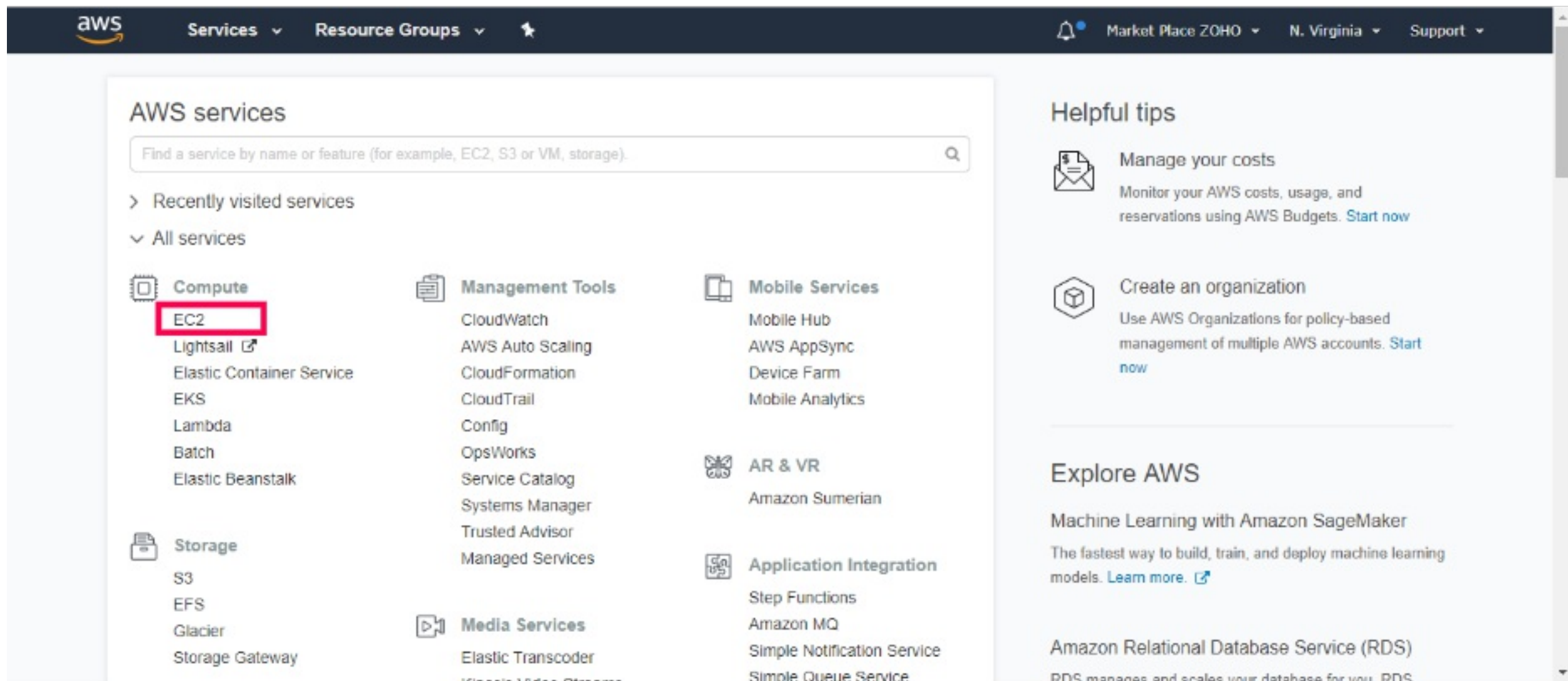
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# Steps to install Patch Manager Plus at AWS

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1. Login to Aws console
2. Select launch instance
3. Select your OS
4. Choose instance type
5. Select VPC
6. Add storage
7. Tag your instance
8. Configure security group
9. Review and launch
10. Connect to your instance
11. Download, install and start Patch Manager Plus
12. Access Patch Manager Plus server

# 1. Login to AWS console and Select EC2



The screenshot displays the AWS console interface. At the top, the navigation bar includes the AWS logo, 'Services', 'Resource Groups', and a star icon. On the right side of the navigation bar, there are links for 'Market Place ZOHO', 'N. Virginia', and 'Support'. The main content area is titled 'AWS services' and features a search bar with the placeholder text 'Find a service by name or feature (for example, EC2, S3 or VM, storage)'. Below the search bar, there are sections for 'Recently visited services' and 'All services'. The 'All services' section is organized into several categories: 'Compute', 'Management Tools', 'Mobile Services', 'Storage', 'AR & VR', and 'Media Services'. The 'Compute' category is expanded, and 'EC2' is highlighted with a red rectangular box. Other services listed under 'Compute' include Lightsail, Elastic Container Service, EKS, Lambda, Batch, and Elastic Beanstalk. The 'Management Tools' category includes CloudWatch, AWS Auto Scaling, CloudFormation, CloudTrail, Config, OpsWorks, Service Catalog, Systems Manager, Trusted Advisor, and Managed Services. The 'Mobile Services' category includes Mobile Hub, AWS AppSync, Device Farm, and Mobile Analytics. The 'Storage' category includes S3, EFS, Glacier, and Storage Gateway. The 'AR & VR' category includes Amazon Sumerian. The 'Media Services' category includes Elastic Transcoder. On the right side of the console, there is a 'Helpful tips' section with two items: 'Manage your costs' and 'Create an organization'. Below this is an 'Explore AWS' section with a link to 'Machine Learning with Amazon SageMaker' and another link to 'Amazon Relational Database Service (RDS)'.

# 2. Select Launch Instance

The screenshot displays the AWS Management Console interface. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and account information for 'Market Place ZOHO' in the 'N. Virginia' region. The left-hand navigation pane is expanded to show 'AMIs', which is highlighted by a blue arrow. The main content area is titled 'Resources' and lists various EC2 resources in the US East (N. Virginia) region: 8 Running Instances, 6 Elastic IPs, 0 Dedicated Hosts, 254 Snapshots, 185 Volumes, 1 Load Balancers, 61 Key Pairs, and 215 Security Groups. Below this list is a 'Create Instance' section with a 'Launch Instance' button highlighted in a red box. A blue arrow also points to this button. The right-hand pane shows 'Account Attributes' and 'Additional Information' links. The bottom footer contains 'Feedback', 'English (US)', and copyright information for Amazon Internet Services Private Ltd. or its affiliates.

**Resources**

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

- 8 Running Instances
- 6 Elastic IPs
- 0 Dedicated Hosts
- 254 Snapshots
- 185 Volumes
- 1 Load Balancers
- 61 Key Pairs
- 215 Security Groups
- 0 Placement Groups

**Create Instance**

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

**Launch Instance**

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

**Service Health**

**Service Status:**

- US East (N. Virginia): This service is operating normally.

**Scheduled Events**

**US East (N. Virginia):**

- No events

**Account Attributes**

**Supported Platforms**

- EC2
- VPC

**Resource ID length management**

**Console experiments**

**Additional Information**

- Getting Started Guide
- Documentation
- All EC2 Resources
- Forums
- Pricing
- Contact Us

**AWS Marketplace**

Find free software trial products in the AWS Marketplace from the **EC2 Launch Wizard**. Or try these popular AMIs:

- Barracuda CloudGen Firewall for AWS - PAYG

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# 3. Choose AMI(OS)

The screenshot shows the AWS console interface for selecting an AMI. At the top, there's a navigation bar with the AWS logo, 'Services', 'Resource Groups', and a search icon. On the right, there are links for 'Market Place ZOHO', 'N. Virginia', and 'Support'. Below the navigation bar, a progress bar indicates the current step: '1. Choose AMI', followed by '2. Choose Instance Type', '3. Configure Instance', '4. Add Storage', '5. Add Tags', '6. Configure Security Group', and '7. Review'. The main heading is 'Step 1: Choose an Amazon Machine Image (AMI)' with a 'Cancel and Exit' link on the right. Below the heading, there are technical details: 'Root device type: ebs', 'Virtualization type: hvm', and 'ENA Enabled: Yes'. A large blue banner for 'Amazon RDS' is displayed, with a blue arrow pointing down towards the AMI list. The AMI list contains three entries: 'Microsoft Windows Server 2016 Base - ami-0327667c' (highlighted with a red box), 'Deep Learning AMI (Ubuntu) Version 10.0 - ami-8d720012', and a partially visible 'Ubuntu Server 16.04 LTS (64-bit)'. Each AMI entry includes a 'Select' button and '64-bit' architecture. The footer contains 'Feedback', 'English (US)', and copyright information: '© 2008 - 2018, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use'.

aws Services Resource Groups

Market Place ZOHO N. Virginia Support

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Step 1: Choose an Amazon Machine Image (AMI) Cancel and Exit

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

**Are you launching a database instance? Try Amazon RDS.** Hide

Amazon RDS

Amazon Relational Database Service (RDS) makes it easy to set up, operate, and scale your database on AWS by automating time-consuming database management tasks. With RDS, you can easily deploy **Amazon Aurora, MariaDB, MySQL, Oracle, PostgreSQL, and SQL Server** databases on AWS. **Aurora** is a MySQL- and PostgreSQL-compatible, enterprise-class database at 1/10th the cost of commercial databases. [Learn more about RDS](#)

Launch a database using RDS

**Microsoft Windows Server 2016 Base - ami-0327667c** Select

Windows

Free tier eligible

Microsoft Windows 2016 Datacenter edition. [English]

64-bit

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

**Deep Learning AMI (Ubuntu) Version 10.0 - ami-8d720012** Select

Free tier eligible

Comes with latest binaries of deep learning frameworks pre-installed in separate virtual environments: MXNet, TensorFlow, Caffe, Caffe2, PyTorch, Keras, Chainer, Theano and CNTK. Fully-configured with NVidia CUDA, cuDNN and NCCL as well as Intel MKL-DNN

64-bit

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

Feedback English (US)

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# 4. Choose Instance type

aws Services Resource Groups Market Place ZOHO N. Virginia Support

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

### Step 2: Choose an Instance Type

<input type="checkbox"/>	General purpose	m5.4xlarge	16	64	EBS only	Yes	Up to 10 Gigabit	Yes
<input type="checkbox"/>	General purpose	m5.12xlarge	48	192	EBS only	Yes	10 Gigabit	Yes
<input type="checkbox"/>	General purpose	m5.24xlarge	96	384	EBS only	Yes	25 Gigabit	Yes
<input type="checkbox"/>	General purpose	m4.large	2	8	EBS only	Yes	Moderate	Yes
<input checked="" type="checkbox"/>	General purpose	m4.xlarge	4	16	EBS only	Yes	High	Yes
<input type="checkbox"/>	General purpose	m4.2xlarge	8	32	EBS only	Yes	High	Yes
<input type="checkbox"/>	General purpose	m4.4xlarge	16	64	EBS only	Yes	High	Yes
<input type="checkbox"/>	General purpose	m4.10xlarge	40	160	EBS only	Yes	10 Gigabit	Yes
<input type="checkbox"/>	General purpose	m4.16xlarge	64	256	EBS only	Yes	25 Gigabit	Yes
<input type="checkbox"/>	Compute optimized	c5d.large	2	4	1 x 50 (SSD)	Yes	Up to 10 Gigabit	Yes

Cancel Previous Review and Launch Next: Configure Instance Details

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# 5. Configure Instance (VPC)

The screenshot shows the AWS console interface for configuring an instance. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and a search icon. On the right, there are links for 'Market Place ZOHO', 'N. Virginia', and 'Support'. Below the navigation bar, a progress bar indicates the current step: '3. Configure Instance', with other steps being '1. Choose AMI', '2. Choose Instance Type', '4. Add Storage', '5. Add Tags', '6. Configure Security Group', and '7. Review'. The main heading is 'Step 3: Configure Instance Details', followed by a descriptive paragraph. The configuration form includes several sections: 'Number of instances' (set to 1), 'Purchasing option' (with 'Request Spot instances' unchecked), 'Network' (selected as 'vpc-e2d7b586 | PMP Testing'), 'Subnet' (selected as 'subnet-f6a545dc | PMP Testing | us-east-1e'), 'Auto-assign Public IP' (set to 'Enable'), 'Placement group' (with 'Add instance to placement group' unchecked), and 'Domain join directory' (set to 'None'). A red rectangular box highlights the 'Network' and 'Subnet' sections. At the bottom right, there are buttons for 'Cancel', 'Previous', 'Review and Launch', and 'Next: Add Storage'. The footer contains 'Feedback', 'English (US)', and copyright information.

aws Services Resource Groups

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

### Step 3: Configure Instance Details

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.

**Number of instances** 1 [Launch into Auto Scaling Group](#)

**Purchasing option**  Request Spot instances

**Network** vpc-e2d7b586 | PMP Testing [Create new VPC](#)

**Subnet** subnet-f6a545dc | PMP Testing | us-east-1e [Create new subnet](#)  
245 IP Addresses available

**Auto-assign Public IP** Enable

**Placement group**  Add instance to placement group.

**Domain join directory** None [Create new directory](#)

Cancel Previous **Review and Launch** Next: Add Storage

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# 6. Add Storage

The screenshot shows the AWS Management Console interface for configuring an EC2 instance. The navigation bar at the top includes the AWS logo, 'Services', 'Resource Groups', and a search icon. On the right, there are links for 'Market Place ZOHO', 'N. Virginia', and 'Support'. Below the navigation bar, a progress bar indicates the current step: '4. Add Storage', with other steps being '1. Choose AMI', '2. Choose Instance Type', '3. Configure Instance', '5. Add Tags', '6. Configure Security Group', and '7. Review'.

### Step 4: Add Storage

Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. [Learn more](#) about storage options in Amazon EC2.

Volume Type	Device	Snapshot	Size (GiB)	Volume Type	IOPS	Throughput (MB/s)	Delete on Termination	Encrypted
Root	/dev/sda1	snap-03c57998d92a4b652	60	General Purpose SSD (GP2)	180 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypted

[Add New Volume](#)

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. [Learn more](#) about free usage tier eligibility and usage restrictions.

[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Add Tags](#)

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# 7. Tag your Instance

The screenshot shows the AWS console interface during the 'Add Tags' step of an EC2 instance launch. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and regional information (Market Place ZOHO, N. Virginia, Support). A progress bar at the top indicates seven steps: 1. Choose AMI, 2. Choose Instance Type, 3. Configure Instance, 4. Add Storage, 5. Add Tags (highlighted), 6. Configure Security Group, and 7. Review.

### Step 5: Add Tags

A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver. A copy of a tag can be applied to volumes, instances or both. Tags will be applied to all instances and volumes. [Learn more](#) about tagging your Amazon EC2 resources.

Key (127 characters maximum)	Value (255 characters maximum)	Instances (i)	Volumes (i)	
Name	Patch Manager Plus	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Add another tag** (Up to 50 tags maximum)

Navigation buttons at the bottom: **Cancel**, **Previous**, **Review and Launch** (highlighted), **Next: Configure Security Group**.

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# 8. Configure Security Group

The screenshot shows the AWS IAM console interface during the 'Configure Security Group' step of an instance launch wizard. The breadcrumb navigation at the top indicates the current step is '6. Configure Security Group'. A list of security groups is displayed, with 'sg-0412d074PATCHMANAGERPLUS-66' selected. Below this, a table titled 'Inbound rules for sg-0412d074 (Selected security groups: sg-0412d074)' shows four custom TCP rules.

Type	Protocol	Port Range	Source	Description
Custom TCP Rule	TCP	6010 - 6019	0.0.0.0/0	
Custom TCP Rule	TCP	6443	0.0.0.0/0	
Custom TCP Rule	TCP	6020	0.0.0.0/0	
Custom TCP Rule	TCP	6363	0.0.0.0/0	

# 9. Review and Launch

The screenshot shows the AWS IAM console wizard for creating a security group. The current step is 'Step 6: Configure Security Group'. The wizard has seven steps: 1. Choose AMI, 2. Choose Instance Type, 3. Configure Instance, 4. Add Storage, 5. Add Tags, 6. Configure Security Group, and 7. Review. The 'Review and Launch' button is highlighted with a red box.

**Step 6: Configure Security Group**

sg-ee08cf94 ManageEngine Mobile Device Manager Plus-9-AutogenByAWSMP-This security group was generated by AWS Marketplace and is based on recommended settings for ManageEngine Mobile Dev

sg-0412d074 PATCHMANAGERPLUS-66 PATCHMANAGERPLUS

sg-cb0ccebb PMP-66 PMP 2017-08-10T15:37:26.650+05:30

sg-7c25100dPMPSecurityGroup Password manager pro security group

sg-f46d3c89 pmptemp launch-wizard-54 created 2016-12-09T15:30:34.250+05:30

sg-a51247edSG\_ADMP SG\_ADMP created 2018-05-29T12:27:01.244+05:30

**Inbound rules for sg-0412d074 (Selected security groups: sg-0412d074)**

Type ⓘ	Protocol ⓘ	Port Range ⓘ	Source ⓘ	Description ⓘ
Custom TCP Rule	TCP	6010 - 6019	0.0.0.0/0	
Custom TCP Rule	TCP	6443	0.0.0.0/0	
Custom TCP Rule	TCP	6020	0.0.0.0/0	
Custom TCP Rule	TCP	6363	0.0.0.0/0	

Cancel Previous **Review and Launch**

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# 10. Connect to your Instance

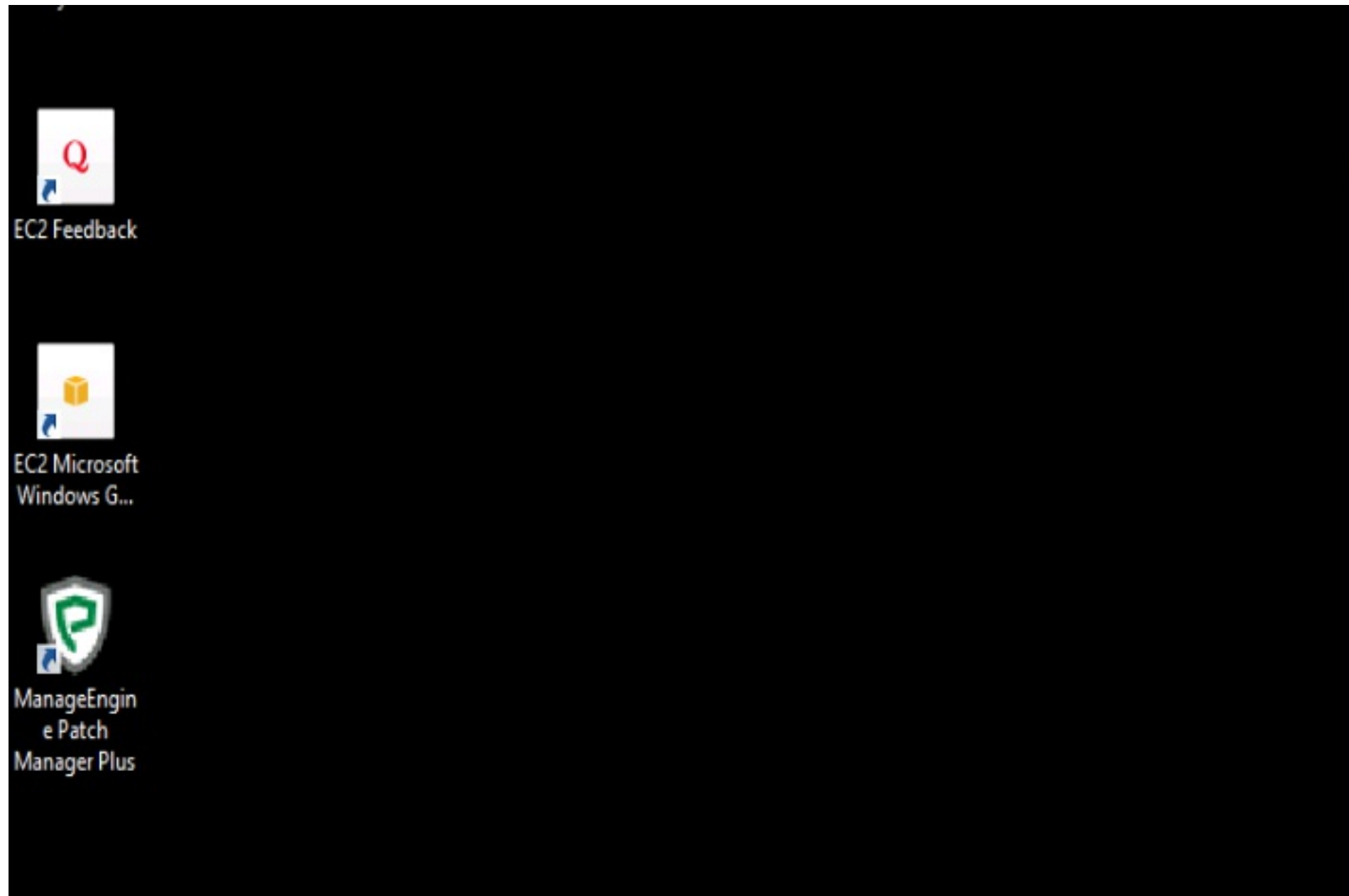
The screenshot shows the AWS Management Console interface. The 'Connect' button in the top navigation bar is highlighted with a red box. A modal dialog titled 'Connect To Your Instance' is open, providing instructions and connection details for a Windows instance. The details are as follows:

Field	Value
Public IP	54.227.13.129
User name	Administrator
Password	Get Password

The dialog also includes a 'Download Remote Desktop File' button and a 'Close' button. The background shows a list of EC2 instances with columns for Status and Public DNS (IPv4).

# 11. Download, Install and Start Patch Manager Plus

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# 12. Access Patch Manager Plus

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## Patch Manager Plus

Sign in

 admin

 |  

Sign in