# Updating AMIs for Auto Scaling groups

Prerequisite

* Configure IAM roles for Automation, a capability of AWS Systems Manager. Systems Manager requires an instance profile role and a service role ARN to process automation.

1. Open the AWS Systems Manager console at <https://console.aws.amazon.com/systems-manager/>.
2. In the AWS Systems Manager navigation pane, choose **Documents**.
3. In the **Create document** dropdown, choose **Automation**.

Graphical user interface, application

Description automatically generated

1. In the **Name** field, enter **PatchAMIAndUpdateASG**.
2. Choose the **Editor** tab and choose **Edit**.

Graphical user interface, text, application, email, Teams

Description automatically generated

1. Choose **OK** when prompted and delete the content in the **Document editor** field.
2. In the **Document editor** field, paste the following YAML sample runbook content.

Graphical user interface, text, application, email

Description automatically generated

Text, letter

Description automatically generated

1. Choose **Create automation**.
2. In the navigation pane, choose **Automation**, and then choose to **Execute automation**.

Graphical user interface, application

Description automatically generated

1. In the **Choose document** page, choose the **Owned by me** tab.
2. Search for the **PatchAMIAndUpdateASG** runbook, and select the button in the **PatchAMIAndUpdateASG** card.
3. Choose **Next**.
4. Choose **Simple execution**.

Graphical user interface, application

Description automatically generated

1. Specify values for the input parameters.

AutomationAssumeRole

SourceAMI

SubnetId

SecurityGroupIds

NewAMI

TargetASG

InstanceProfile

Be sure the SubnetId and SecurityGroupIds you specify allow access to the public Systems Manager endpoints, or your interface endpoints for Systems Manager.

Graphical user interface, text, application, email

Description automatically generated

1. Choose **Execute**.
2. After automation completes, in the Amazon EC2 console, choose **Auto Scaling**, and then choose **Launch Templates**. Verify that you see the new launch template, and that it uses the new AMI.
3. Choose **Auto Scaling**, and then choose **Auto Scaling Groups**. Verify that the Auto Scaling group uses the new launch template.
4. Terminate one or more instances in your Auto Scaling group. Replacement instances will be launched using the new AMI.