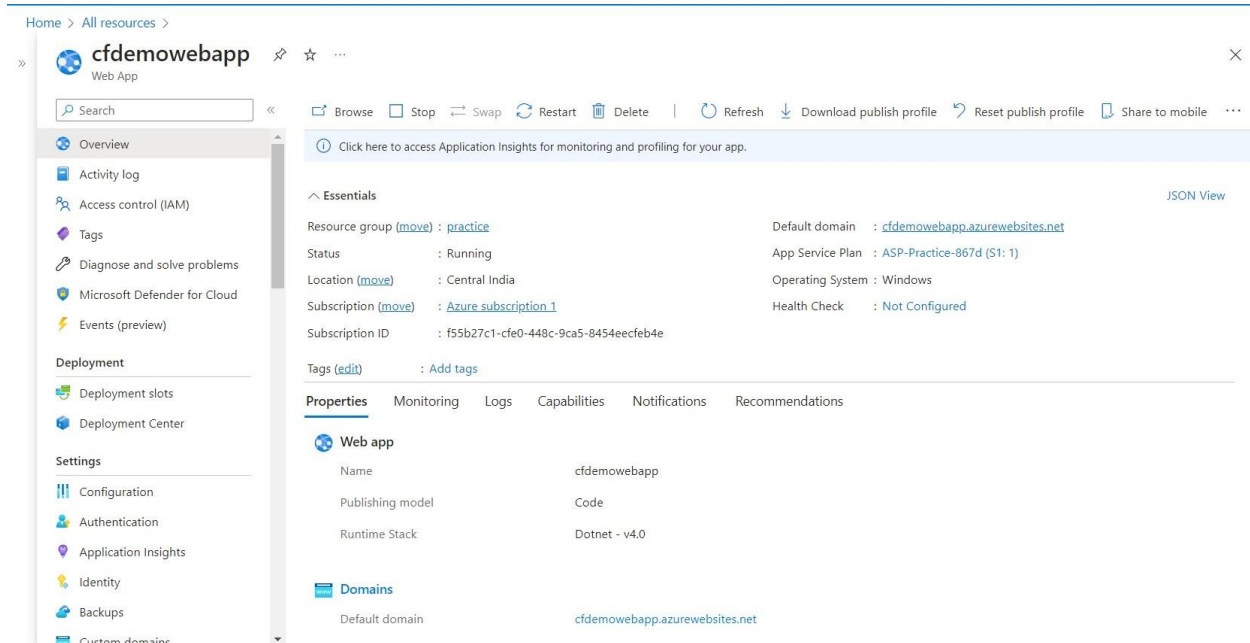
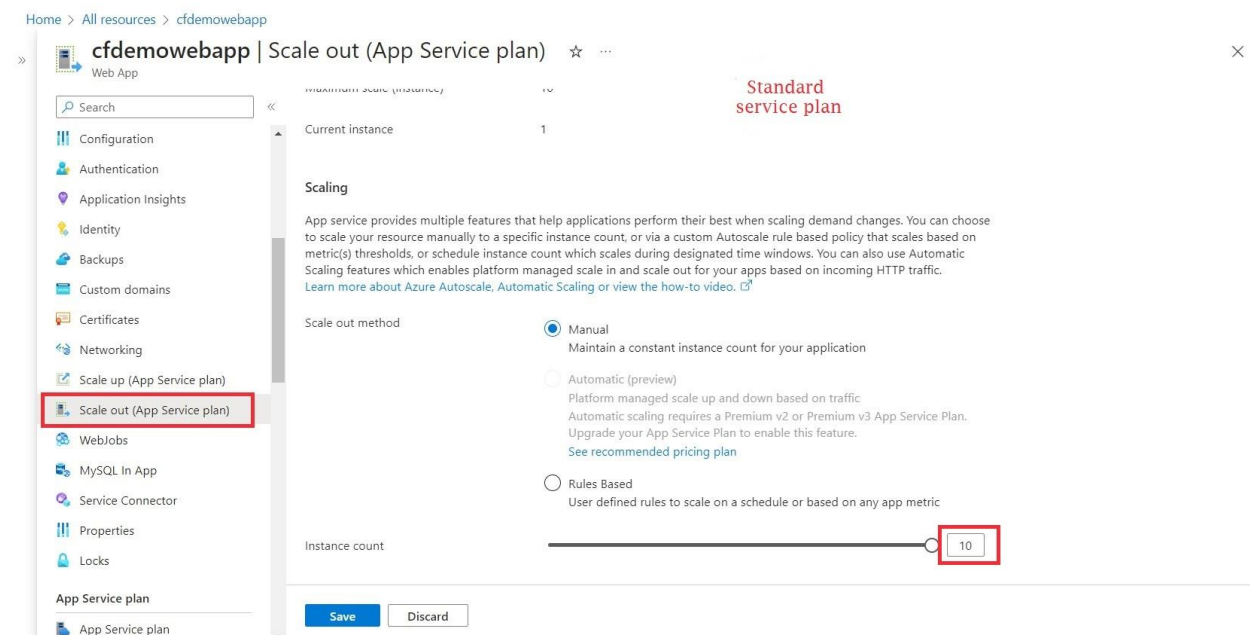


AZURE AUTO SCALING WEBAPP

Step 1: Login to the Azure Portal, Search for Web Application Service and create a basic webapp.



- In the left side pane, scroll down and Click on Scale out.
- As on Standard Service Plan, Azure allows the Scaling up to 10 instance count.



Step 2: Let us Downgrade our app service and check in the basic service plan up to how many instances we can scale.

Home > All resources > cfdemowebapp

cfdemowebapp | Scale up (App Service plan) ☆ ...

Web App

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App Service plan
App Service plan

Hardware view Feature view

Showing 14 App Service pricing plans

Name	ACU/vCPU	vCPU	Memory (GB)	Cost per hour	Cost per month
Dev/Test (For less demanding workloads)					
Free F1	60 minutes/day...	N/A	1	Free	Free
Shared D1	240 minutes/day...	N/A	1	1,186 INR	865,685 INR
<input checked="" type="checkbox"/> Basic B1	100	1	1.75	6,518 INR	4758,405 INR
Basic B2	100	2	3.5	12,958 INR	9459,48 INR
Basic B3	100	4	7	25,916 INR	18918,961 INR
Production (For most production workloads)					
<input type="checkbox"/> Standard S1	100	1	1.75	8,639 INR	6306,32 INR
Standard S2	100	2	3.5	17,278 INR	12612,641 INR
Standard S3	100	4	7	34,555 INR	25225,281 INR
Premium P1	100	1	1.75	25,916 INR	18918,961 INR
Premium P2	100	2	3.5	51,833 INR	37837,922 INR

Select

Learn more about App Service pricing

- In the Basic Service Plan, we can only Scale up to 3 instances only.

Home > All resources > cfdemowebapp

cfdemowebapp | Scale out (App Service plan) ☆ ...

Web App

Basic Service Plan

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App Service plan
App Service plan

Scaling

App service provides multiple features that help applications perform their best when scaling demand changes. You can choose to scale your resource manually to a specific instance count, or via a custom Autoscale rule based policy that scales based on metric(s) thresholds, or schedule instance count which scales during designated time windows. You can also use Automatic Scaling features which enables platform managed scale in and scale out for your apps based on incoming HTTP traffic. [Learn more about Azure Autoscale, Automatic Scaling or view the how-to video.](#)

Scale out method

☒ Manual
Maintain a constant instance count for your application

☐ Automatic (preview)
Platform managed scale up and down based on traffic
Automatic scaling requires a Premium v2 or Premium v3 App Service Plan.
Upgrade your App Service Plan to enable this feature.
[See recommended pricing plan](#)

☐ Rules Based
User defined rules to scale on a schedule or based on any app metric
Rules based autoscale requires a Standard or better App Service Plan.
Upgrade your App Service Plan to enable this feature.
[See recommended pricing plan](#)

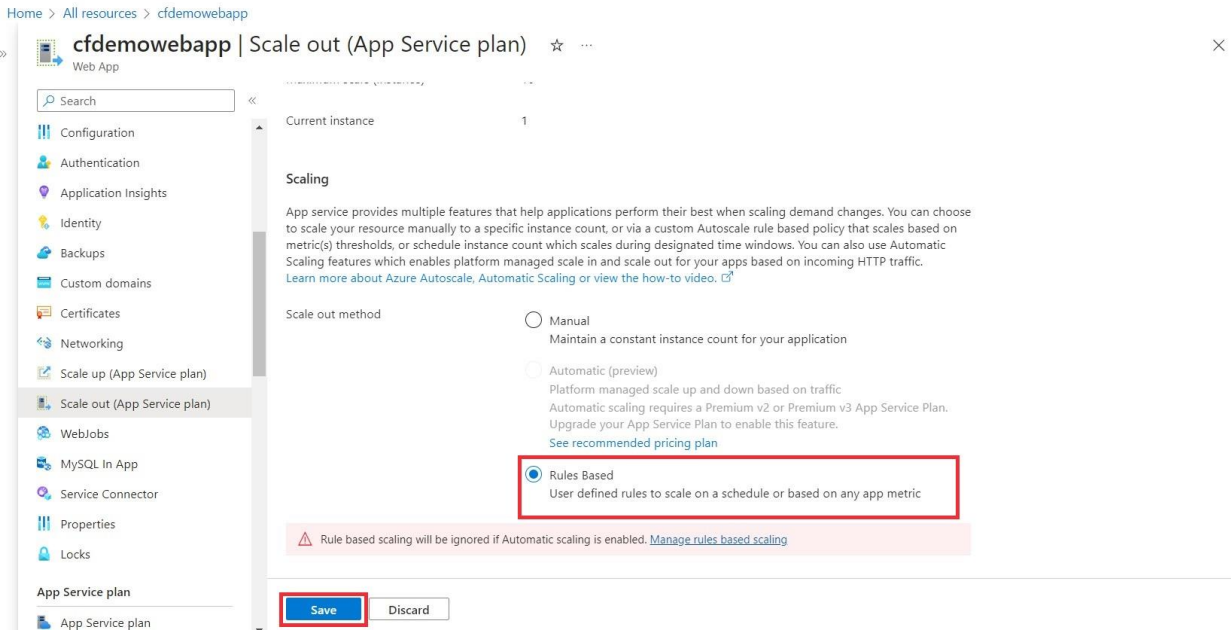
Instance count

3

Save Discard

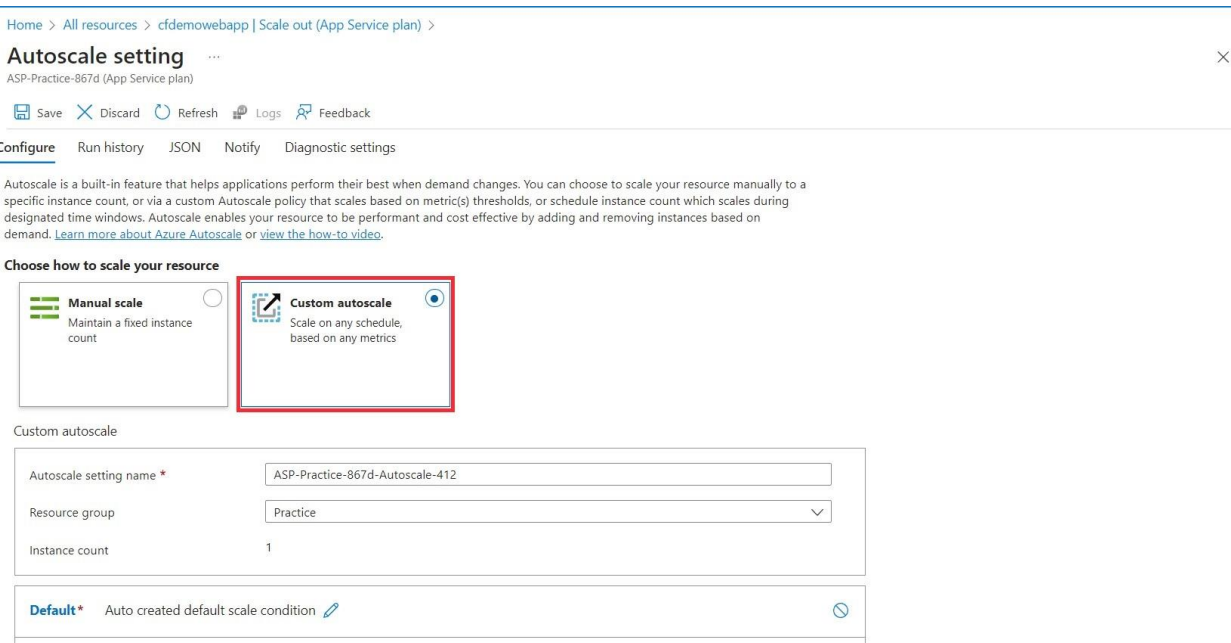
Step 3:

- As per need, you can select your service plan.
- We will Select the Rule Based scale out method for Autoscaling. Click on Save.



- You will be Automatically redirected to the Auto Scale Setting.

Step 4: Select Custom auto scale resource.



Step 5: Select the scale based on metric & Click on Add a rule.

Default* Auto created default scale condition

Delete warning The very last or default recurrence rule cannot be deleted. Instead, you can disable autoscale to turn off autoscale.

Scale mode ☒ Scale based on a metric ☐ Scale to a specific instance count

Rules Scale is based on metric trigger rules but no rule(s) is defined; click [Add a rule](#) to create a rule. For example: 'Add a rule that increases instance count by 1 when CPU Percentage is above 70%'. If no rules is defined, the resource will be set to default instance count.

Instance limits Minimum * Maximum * Default *

Schedule **This scale condition is executed when none of the other scale condition(s) match**

[+ Add a scale condition](#)

Step 6: Select the metric name to Data in from the dropdown. (On what basis you want to Scale up)

- Enter bytes received between 70-100 kb.
- Enter the duration in minutes, that after how many minutes you have to scale up with respect to condition.
- Click on Add.

[Home](#) > [All resources](#) > [cfdemowebapp](#) | [Scale out \(App Service plan\)](#) >

Autoscale setting

ASP-Practice-867d (App Service plan)

Save Discard Refresh Logs Feedback

Resource group

Instance count

Default* Auto created default scale condition

Delete warning The very last or default recurrence rule cannot be deleted. Instead, you can disable autoscale.

Scale mode ☒ Scale based on a metric ☐ Scale to a specific instance count

Rules Scale is based on metric trigger rules but no rule(s) is defined; click [Add a rule](#) to create a rule. For example: 'Add a rule that increases instance count by 1 when CPU Percentage is above 70%'. If no rules is defined, the resource will be set to default instance count.

Instance limits Minimum * Maximum * Default *

Schedule **This scale condition is executed when none of the other scale condition(s) match**

[+ Add a scale condition](#)

Scale rule

Criteria

Metric namespace * Metric name 1 minute time grain

Dimension Name Operator Dimension Values Add

Instance =

If you select multiple values for a dimension, autoscale will aggregate the metric across the selected values, not evaluate the metric for each values individually.

BytesReceived (Average)

☐ Enable metric divide by instance count

Operator * Metric threshold to trigger scale action *
 bytes

Duration (minutes) * Time grain (minutes)

Add

Step 7: You can see the Rules have been added & Click on Save.

Home > All resources > cfdemowebapp | Scale out (App Service plan) >

Autoscale setting

ASP-Practice-867d (App Service plan)


 Save  Discard  Refresh  Logs  Feedback

Resource group Practice

Instance count 1

Default* Auto created default scale condition 

Delete warning

 The very last or default recurrence rule cannot be deleted. Instead, you can disable autoscale to turn off autoscale.

Scale mode

☒ Scale based on a metric ☐ Scale to a specific instance count

Rules

 It is recommended to have at least one scale in rule. To create new rules, click [Add a rule](#)

Scale out

When ASP-Practice-867d (Average) BytesReceived > 70 Increase count by 1

[+ Add a rule](#)

Instance limits

Minimum * 

1

Maximum * 

1

Default * 

1

Schedule

This scale condition is executed when none of the other scale condition(s) match

According to your entered condition when it will be matched, automatically the webapp will be scaled up by one instance and the changes will be reflected in the Web Application Service Page.

Home > All resources > cfdemowebapp | Scale out (App Service plan) >

Autoscale setting


ASP-Practice-867d (App Service plan)

 Save  Discard  Refresh  Logs  Feedback

Configure [Run history](#) [JSON](#) [Notify](#) [Diagnostic settings](#)

Autoscale is a built-in feature that helps applications perform their best when demand changes. You can choose to scale your resource manually to a specific instance count, or via a custom Autoscale policy that scales based on metric(s) thresholds, or schedule instance count which scales during designated time windows. Autoscale enables your resource to be performant and cost effective by adding and removing instances based on demand. [Learn more about Azure Autoscale](#) or [view the how-to video](#).

Choose how to scale your resource

 **Manual scale**
Maintain a fixed instance count

 **Custom autoscale**
Scale on any schedule, based on any metrics

Custom autoscale

Autoscale setting name ASP-Practice-867d-Autoscale-412

Resource group Practice

Instance count 1

Default* Auto created default scale condition 