

A modern office interior featuring a large, light-colored conference table surrounded by black leather chairs. The room has glass walls and a white ceiling with recessed lighting. A large black screen is mounted on the wall in the background.

# Containers on App Service Tips & Tricks

# Who am I?

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- Dev/Coach/Trainer
- Based in Montreal, Canada
- @GuyBarrette
- @K8s\_Online
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- <https://kubernetesacademy.online>



# Azure App Service



# App Service



=



Web Apps



Web Apps  
For Containers



# App Service Benefits

- Windows or Linux
- Automatic OS patching
- High availability
- Automated scale out/in
- Built-in load balancing
- Compliance: ISO, SOC, PCI, etc



# Web App for Containers

- All App Service benefits plus...
- Integration with
  - Docker Hub
  - Azure Container Registry
- Single Docker image
- Multi containers
  - Docker compose
- Windows containers
  - Install drivers, tools, COM objects



Let's create a Web  
App for Containers





My container does  
not listen on port 80!





# Tip #1

Map a port different then the default port 80



Microsoft Azure

Search resources, services, and docs (G+)

1

Home > Microsoft.Web-WebApp-Portal-616d8d64-98bf > kuarddemo1

kuarddemo1

App Service

...

Search (Ctrl+)

«

Refresh

Save

Discard

Leave Feedback

Events (preview)

Deployment

Quickstart

Deployment credentials

Deployment slots

Deployment Center

Settings

Configuration

Authentication

Application Insights

Identity

Backups

Custom domains

TLS/SSL settings

Application settings

Application settings are encrypted at rest and transmitted over an encrypted channel. You can choose to c using the controls below. Application Settings are exposed as environment variables for access by your ap

2

+ New application setting

Show values

Advanced edit

Filter application settings

Name	Value	Source
DOCKER_REGISTRY_SERVER_PASSWORD	Hidden value. Click to show value	App Service Config
DOCKER_REGISTRY_SERVER_URL	Hidden value. Click to show value	App Service Config
DOCKER_REGISTRY_SERVER_USERNAME	Hidden value. Click to show value	App Service Config
WEBSITES_ENABLE_APP_SERVICE_STORAGE	Hidden value. Click to show value	App Service Config
WEBSITES_PORT	8080	App Service Config

Connection strings

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My container does  
not start!



# Tip #2

Troubleshoot startup events using the startup logs



[Home](#) > [Microsoft.Web-WebApp-Portal-616d8d64-98bf](#) > [kuarddemo1](#)

# kuarddemo1 | Deployment Center

App Service

Search (Ctrl+/)



Save

Discard

Browse

Manage publish profile

Leave Feedback

- Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Security
- Events (preview)

## Deployment

- Quickstart
- Deployment credentials
- Deployment slots
- Deployment Center

## Settings

- Configuration

Settings **2** Logs **2** FTPS credentials \*

These are the logs from Docker Engine emitted during the provisioning phase of your container image.

Refresh

```
expected time limit. Elapsed time = 230.5339306 sec
2021-12-12T18:44:36.834Z ERROR - Container kuarddemo1_0_2debe05d didn't respond to HTTP pings on port: 80,
failing site start. See container logs for debugging.
2021-12-12T18:44:36.840Z INFO - Stopping site kuarddemo1 because it failed during startup.
2021-12-12T18:44:37.214Z INFO - Pulling image: k8sacademy/kuard:latest
2021-12-12T18:44:37.536Z INFO - latest Pulling from k8sacademy/kuard
2021-12-12T18:44:37.537Z INFO - Digest: sha256:1ecc9fb2c871302fdb57a25e0c076311b7b352b0a9246d442940ca8fb4efe229
2021-12-12T18:44:37.537Z INFO - Status: Image is up to date for k8sacademy/kuard:latest
2021-12-12T18:44:37.539Z INFO - Pull Image successful, Time taken: 0 Minutes and 0 Seconds
2021-12-12T18:44:37.543Z INFO - Starting container for site
2021-12-12T18:44:37.543Z INFO - docker run -d -p 8080:8080 --name kuarddemo1_0_3d36743d -e
WEBSITES_ENABLE_APP_SERVICE_STORAGE=false -e WEBSITES_PORT=8080 -e WEBSITE_SITE_NAME=kuarddemo1 -e
WEBSITE_AUTH_ENABLED=False -e WEBSITE_ROLE_INSTANCE_ID=0 -e WEBSITE_HOSTNAME=kuarddemo1.azurewebsites.net -e
WEBSITE_INSTANCE_ID=fe68dbe3f9c8eb8e2bcaaf20bcd5bca585e4bdade889914441fd9eaa6f3cd71 k8sacademy/kuard:latest
2021-12-12T18:44:37.543Z INFO - Logging is not enabled for this container.
Please use https://aka.ms/linux-diagnostics to enable logging to see container logs here.
2021-12-12T18:44:39.508Z INFO - Initiating warmup request to container kuarddemo1_0_3d36743d for site kuarddemo1
```



```
2021-12-12T18:44:37.214Z INFO - Pulling image: k8sacademy/kuard:latest
2021-12-12T18:44:37.536Z INFO - latest Pulling from k8sacademy/kuard
2021-12-12T18:44:37.537Z INFO - Digest:
sha256:1ecc9fb2c871302fdb57a25e0c076311b7b352b0a9246d442940ca8fb4efe229
2021-12-12T18:44:37.537Z INFO - Status: Image is up to date for k8sacademy/kuard:latest
2021-12-12T18:44:37.539Z INFO - Pull Image successful, Time taken: 0 Minutes and 0 Seconds
2021-12-12T18:44:37.543Z INFO - Starting container for site
2021-12-12T18:44:37.543Z INFO - docker run -d -p 8080:8080 --name kuarddemo1_0_3d36743d -e
WEBSITES_ENABLE_APP_SERVICE_STORAGE=false -e WEBSITES_PORT=8080 -e
WEBSITE_SITE_NAME=kuarddemo1 -e WEBSITE_AUTH_ENABLED=False -e WEBSITE_ROLE_INSTANCE_ID=0 -e
WEBSITE_HOSTNAME=kuarddemo1.azurewebsites.net -e
WEBSITE_INSTANCE_ID=fe68dbe3f9c8eb8e2bcaaef20bcd5bca585e4bdade889914441fd9eaa6f3cd71
k8sacademy/kuard:latest
```



```
2021-12-12T18:44:37.214Z INFO - Pulling image: k8sacademy/kuard:latest
2021-12-12T18:44:37.536Z INFO - latest Pulling from k8sacademy/kuard
2021-12-12T18:44:37.537Z INFO - Digest:
sha256:1ecc9fb2c871302fdb57a25e0c076311b7b352b0a9246d442940ca8fb4efe229
2021-12-12T18:44:37.537Z INFO - Status: Image is up to date for k8sacademy/kuard:latest
2021-12-12T18:44:37.539Z INFO - Pull Image successful, Time taken: 0 Minutes and 0 Seconds
2021-12-12T18:44:37.543Z INFO - Starting container for site
2021-12-12T18:44:37.543Z INFO - docker run -d -p 8080:8080 --name kuarddemo1_0_3d36743d -e
WEBSITES_ENABLE_APP_SERVICE_STORAGE=false -e WEBSITES_PORT=8080 -e
WEBSITE_SITE_NAME=kuarddemo1 -e WEBSITE_AUTH_ENABLED=False -e WEBSITE_ROLE_INSTANCE_ID=0 -e
WEBSITE_HOSTNAME=kuarddemo1.azurewebsites.net -e
WEBSITE_INSTANCE_ID=fe68dbe3f9c8eb8e2bcaaef20bcd5bca585e4bdade889914441fd9eaa6f3cd71
k8sacademy/kuard:latest
```





```
2021-12-12T18:44:37.214Z INFO - Pulling image: k8sacademy/kuard:latest
2021-12-12T18:44:37.536Z INFO - latest Pulling from k8sacademy/kuard
2021-12-12T18:44:37.537Z INFO - Digest:
sha256:1ecc9fb2c871302fdb57a25e0c076311b7b352b0a9246d442940ca8fb4efe229
2021-12-12T18:44:37.537Z INFO - Status: Image is up to date for k8sacademy/kuard:latest
2021-12-12T18:44:37.539Z INFO - Pull Image successful, Time taken: 0 Minutes and 0 Seconds
2021-12-12T18:44:37.543Z INFO - Starting container for site
2021-12-12T18:44:37.543Z INFO - docker run -d -p 8080:8080 --name kuarddemo1_0_3d36743d -e
WEBSITES_ENABLE_APP_SERVICE_STORAGE=false -e WEBSITES_PORT=8080 -e
WEBSITE_SITE_NAME=kuarddemo1 -e WEBSITE_AUTH_ENABLED=False -e WEBSITE_ROLE_INSTANCE_ID=0 -e
WEBSITE_HOSTNAME=kuarddemo1.azurewebsites.net -e
WEBSITE_INSTANCE_ID=fe68dbe3f9c8eb8e2bcaaef20bcd5bca585e4bdade889914441fd9eaa6f3cd71
k8sacademy/kuard:latest
```



Where are the  
application logs?



# Tip #3

Enable and stream the application logs




Microsoft Azure

Search resources, services, and docs (G+ /)

6


Home > Microsoft.Web-WebApp-Portal-616d8d64-98bf > kuarddemo1


 **kuarddemo1 | App Service logs** ...


App Service


Search (Ctrl+ /)

<<


 Save


 Discard


 Send us your feedback


 CORS


Monitoring


 Alerts


 Metrics


 Logs

 Health check


 Diagnostic settings

 App Service logs **1**

 Log stream

 Process explorer

Automation

 Tasks (preview)

Application logging ⓘ **2**

Quota (MB) \* ⓘ  
35


Retention Period (Days) ⓘ  
3 ✓

Download logs

FTP/deployment username  
No FTP/deployment user set

FTP  
ftp://waws-prod-yt1-035.ftp.azurewebsites.windows.net/site/wwwroot

FTPS  
ftps://waws-prod-yt1-035.ftp.azurewebsites.windows.net/site/wwwroot

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[Home](#) > [Microsoft.Web-WebApp-Portal-616d8d64-98bf](#) > [kuarddemo1](#)

## kuarddemo1 | Log stream

App Service

Search (Ctrl+)



Reconnect



Copy



Pause



Clear

CORS

## Monitoring

Alerts

Metrics

Logs

Health check

Diagnostic settings

App Service logs

Log stream

1

Process explorer

## Automation

Tasks (preview)

Export template

```
2021-12-12T18:55:38.778346144Z 2021/12/12 18:55:38 169.254.130.1:43755 GET /
2021-12-12T18:55:39.714970734Z 2021/12/12 18:55:39 169.254.130.1:43769 GET /
2021-12-12T18:55:54.439224045Z 2021/12/12 18:55:54 169.254.130.1:43849 GET /env/api
2021-12-12T18:55:57.366114376Z 2021/12/12 18:55:57 169.254.130.1:43869 GET /mem/api
2021-12-12T18:55:58.376622381Z 2021/12/12 18:55:58 169.254.130.1:43873 GET /mem/api
2021-12-12T18:55:59.558457603Z 2021/12/12 18:55:59 169.254.130.1:43887 GET /mem/api
2021-12-12T18:56:00.556282792Z 2021/12/12 18:56:00 169.254.130.1:43889 GET /mem/api
2021-12-12T18:56:01.550435619Z 2021/12/12 18:56:01 169.254.130.1:43895 GET /mem/api
2021-12-12T18:56:02.554735646Z 2021/12/12 18:56:02 169.254.130.1:43911 GET /mem/api
2021-12-12T18:56:03.360670532Z 2021/12/12 18:56:03 169.254.130.1:43925 GET /mem/api
2021-12-12T18:56:04.374622370Z 2021/12/12 18:56:04 169.254.130.1:43933 GET /mem/api
2021-12-12T18:56:05.361974078Z 2021/12/12 18:56:05 169.254.130.1:43939 GET /mem/api
2021-12-12T18:56:05.642804784Z 2021/12/12 18:56:05 169.254.130.1:43941 GET /healthy/api
2021-12-12T18:56:06.640268493Z 2021/12/12 18:56:06 169.254.130.1:43953 GET /healthy/api
2021-12-12T18:56:16.465968901Z 2021/12/12 18:56:16 169.254.130.1:44027 GET /
2021-12-12T18:56:25.634594632Z 2021/12/12 18:56:25 169.254.130.1:44083 GET /env/api
```



```
az webapp log tail -n kuarddemo1 -g devmeetupdigitaltour
```

```
PowerShell
2021-12-12T19:07:55.553422694Z 2021/12/12 19:07:55 169.254.130.1:43225 GET /mem/api
2021-12-12T19:07:56.666335048Z 2021/12/12 19:07:56 169.254.130.1:43231 GET /mem/api
2021-12-12T19:07:57.557218702Z 2021/12/12 19:07:57 169.254.130.1:43233 GET /mem/api

2021-12-12T19:07:58.553041841Z 2021/12/12 19:07:58 169.254.130.1:43241 GET /mem/api
2021-12-12T19:07:59.558471362Z 2021/12/12 19:07:59 169.254.130.1:43253 GET /mem/api
2021-12-12T19:08:00.552605569Z 2021/12/12 19:08:00 169.254.130.1:43255 GET /mem/api
2021-12-12T19:08:01.570222321Z 2021/12/12 19:08:01 169.254.130.1:43265 GET /mem/api

2021-12-12T19:08:04.102451250Z 2021/12/12 19:08:04 169.254.130.1:43297 GET /env/api
2021-12-12T19:08:06.914872418Z 2021/12/12 19:08:06 169.254.130.1:43305 GET /mem/api

2021-12-12T19:08:07.929342532Z 2021/12/12 19:08:07 169.254.130.1:43325 GET /mem/api
2021-12-12T19:08:08.907286755Z 2021/12/12 19:08:08 169.254.130.1:43337 GET /mem/api
2021-12-12T19:08:09.237025800Z 2021/12/12 19:08:09 169.254.130.1:43339 GET /healthy/api
2021-12-12T19:08:10.240451305Z 2021/12/12 19:08:10 169.254.130.1:43345 GET /healthy/api
2021-12-12T19:08:11.234694936Z 2021/12/12 19:08:11 169.254.130.1:43347 GET /healthy/api
2021-12-12T19:08:12.242017414Z 2021/12/12 19:08:12 169.254.130.1:43353 GET /healthy/api

2021-12-12T19:08:31.382822500Z 2021/12/12 19:08:31 169.254.130.1:43489 GET /mem/api
2021-12-12T19:08:32.390833395Z 2021/12/12 19:08:32 169.254.130.1:43495 GET /mem/api

2021-12-12T19:08:33.384297114Z 2021/12/12 19:08:33 169.254.130.1:43505 GET /mem/api
```



I need to  
troubleshoot App  
Service!







# Tip #4


Troubleshoot using the Advanced Tools





 **Microsoft Azure**

Home > Microsoft.Web-WebApp-Portal-616d8d64-98bf > kuarddemo1


 **kuarddemo1** | Advanced Tools ...  
App Service


 Service Connector (Preview)


 Properties

 Locks


**App Service plan**


 App Service plan


 Quotas


 Change App Service plan


**Development Tools**

 Clone App

 SSH

 Advanced Tools **1**

 Extensions

 **Advanced Tools**  
Advanced Tools provides a collection of  
[Go →](#) **2**



Home > Microsoft.Web-WebApp-Portal-616d8d64-98bf > kuarddemo1



## kuarddemo1 | Advanced Tools ...

App Service

Search (Ctrl+)

Service Connector (Preview)

Properties

Locks

### App Service plan

App Service plan

Quotas

Change App Service plan

### Development Tools

Clone App

SSH

Advanced Tools

Extensions



### Advanced Tools

Advanced Tools provides a collection of

Go →

2



Azure App Service Environment SSH Bash Log stream

## Environment

Build 1.0.0.7 (e59ed50ca2)

Site up time 00.00:04:46

Site folder /home

Temp folder /tmp/

## REST API (works best when using a JSON viewer extension)

- [App Settings](#)
- [Deployments](#)
- [Source control info](#)
- [Files](#)
- [Current Docker logs \(Download as zip\)](#)

## Browse Directory

- [Deployment Logs](#)
- [Site wwwroot](#)

More information about Kudu can be found on the [wiki](#).




I need to set some  
environment  
variables!



# Tip #5


Set environment variables using Application Settings



 Microsoft Azure

Search resources, services, and docs (G+)

Home > Microsoft.Web-WebApp-Portal-616d8d64-98bf > kuarddemo1

 **kuarddemo1** | Configuration ...  
App Service

Search (Ctrl+)

Diagnose and solve problems

Security

Events (preview)

Deployment


Quickstart

Deployment credentials

Deployment slots

Deployment Center

Settings

 Configuration **1**

Authentication

Application Insights

Identity

Backups

### Add/Edit application setting

Name	HELLO
Value	World!
<input type="checkbox"/> Deployment slot setting	

OK Cancel



I need to set some  
environment  
variables from Key  
Vault secrets!





# Tip #6

Set environment variables from Key Vault





Create a  
Managed  
Identity



Create an  
Access Policy  
in Key Vault



Create an  
environnement  
variable






☰

Microsoft Azure

🔍 Search resources, services, and docs (G+)

Home > Microsoft.Web-WebApp-Portal-616d8d64-98bf > kuarddemo1

 **kuarddemo1 | Identity** ...

App Service

🔍 Search (Ctrl+)

<<

🏠 Deployment Center

**Settings**

⚙️ Configuration

👤 Authentication

💡 Application Insights

🔑 Identity

1

📁 Backups

🌐 Custom domains

🛡️ TLS/SSL settings

🛡️ TLS/SSL settings (preview)

🌐 Networking

📈 Scale up (App Service plan)

📈 Scale out (App Service plan)

🌐 WebJobs

**System assigned**

User assigned

A system assigned managed identity is restricted to one per resource and is tied to the lifecycle using Azure role-based access control (Azure RBAC). The managed identity is authenticated [more about Managed identities.](#)

💾 Save

✖ Discard

🔄 Refresh

|

🗣 Got feedback?

Status ⓘ

Off

On

2

Object (principal) ID ⓘ

16458acc-1c57-4b3f-8915-744ca93dc7de


📄

Permissions ⓘ

Azure role assignments

📘 This resource is registered with Azure Active Directory. The managed identity can be configured the access settings for the managed identity because it can result in failures. [Learn more](#)


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Microsoft Azure

Search resources, services, and docs (G+/)

kv-2021-12-12 > kv-2021-12-12



kv-2021-12-12 | Access policies

Key vault

Search (Ctrl+ /)

Save Discard Refresh

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Events

Settings

Keys

Secrets

Certificates

**Access policies**

Networking

Security

Properties

Enable Access to:

☐

Azure Virtual Machines for deployment ⓘ

☐

Azure Resource Manager for template deployment ⓘ

☐

Azure Disk Encryption for volume encryption ⓘ

Permission model

☒

 Vault

☐

 Azure+ Add Access Policy **2**

Current Access Policies

Microsoft Azure

Search resources, services, and docs (G+/)

Home > kv-2021-12-12 > kv-2021-12-12 >

Add access policy

Add access policy

Configure from template (optional)

Key permissions

**Secret permissions**

Certificate permissions

Select principal \*

Authorized application ⓘ

Add

0 selected

2 selected

☒ Select all

**Secret Management Operations**

☒ Get

☒ List

☐ Set

☐ Delete

☐ Recover

☐ Backup

☐ Restore





Microsoft Azure

Search resources, services, and docs (G+)



2021-12-12 > kv-2021-12-12 >

## Add access policy

Add access policy

Configure from template (optional)

Key permissions

Secret permissions

Certificate permissions

Select principal \*

None selected

1

Authorized application ⓘ

None selected

Add

## Principal

Select a principal

kuard

2



kuarddemo1

2e3a52e2-0965-4a74-80d9-3552c84fedfa

Selected

3

### Selected items



kuarddemo1

2e3a52e2-0965-4a74-80d9-3552c84fedfa

Remove

Select

4





@Microsoft.KeyVault(SecretUri=https://keyvaultname.vault.azure.net/secrets/hellokv/)

The screenshot shows the Microsoft Azure portal interface. On the left, the 'kuarddemo1' App Service is selected, and the 'Configuration' option is highlighted in the sidebar with a red circle labeled '1'. The main area displays the 'Add/Edit application setting' dialog. The 'Name' field contains 'FROMKV'. The 'Value' field contains '@Microsoft.KeyVault(SecretUri=https://kv-2021-12-12.vault.azure.net/secrets/hellokv/)', which is highlighted with a red circle labeled '2'. The 'Deployment slot setting' checkbox is unchecked. At the bottom of the dialog are 'OK' and 'Cancel' buttons.



Deploying just one  
container is a waste  
of resources!





# Tip #7

Pack more containers using Docker Compose



```
version: '3'
services:
  azure-vote-back:
    image: redis:6.0.8
    container_name: azure-vote-back
    environment:
      ALLOW_EMPTY_PASSWORD: "yes"
    ports:
      - "6379"

  azure-vote-front:
    image: azure-vote-front:v1
    container_name: azure-vote-front
    environment:
      REDIS: azure-vote-back
    ports:
      - "80:80"
```

Microsoft Azure Search resources, services, and docs (G+/)

Home > Create a resource > Web App for Containers >

## Create Web App ...

Basics Deployment **Docker** Monitoring Tags Review + create

Pull container images from Azure Container Registry, Docker Hub or a private Docker repository. App Service will deploy the containerized app with your preferred dependencies to production in seconds.

Options  1

Image Source

Docker hub options

Access Type \*

Configuration File  2

Configuration ⓘ

```
version: '3'
services:
  azure-vote-back:
    image: mcr.microsoft.com/oss/bitnami/redis:6.0.8
    container_name: azure-vote-back
    environment:
      ALLOW_EMPTY_PASSWORD: "yes"
```

[Review + create](#) [< Previous](#) [Next : Monitoring >](#)



I need to expose the  
other containers on  
the Web!

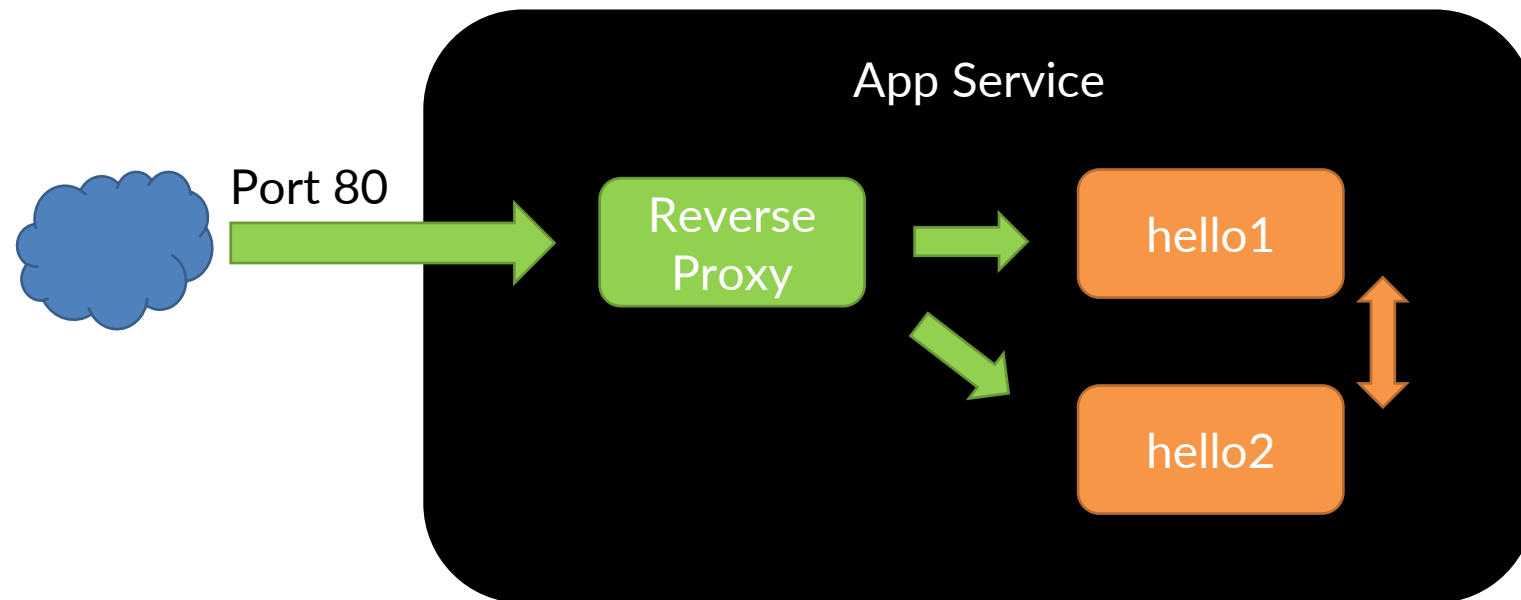


# Tip #8

Using Nginx as a reverse proxy



# Reverse Proxy as the Point of Entry



```
version: "3.5"
services:
  hello1:
    depends_on:
      - reverseproxy
    image: "nginxdemos/hello"
    restart: always
  hello2:
    depends_on:
      - reverseproxy
    image: "nginxdemos/hello"
    restart: always
  reverseproxy:
    image: k8sacademy/reverseproxy
    ports:
      - "80:80"
    restart: always
```



I need to persist files  
outside the  
containers!



# Tip #9

Persist data inside the App Service VM



# App Service Persistent Storage

- Set WEBSITES\_ENABLE\_APP\_SERVICE\_STORAGE to true in the application settings
  - Persists data on app restarts
  - Share across multiple instances
- WEBAPP\_STORAGE\_HOME env variable mapped to persistent storage at /home





# `${WEBAPP_STORAGE_HOME} = /home`

```
version: '3'
services:
  kuard:
    image: k8sacademy/kuard:latest
    container_name: kuard
    ports:
      - "80:8080"
    volumes:
      -
        ${WEBAPP_STORAGE_HOME}/webappstorage:/webappstorage
```



I need to read and  
write files to Azure  
Storage!



# Tip #10

Map a path to Azure Storage - Blobs and Files



# Add Path Mappings

The screenshot shows the Azure App Service Configuration interface for a containerized web application. The left sidebar contains a navigation menu with categories: Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Security, Deployment, and Settings. The 'Configuration' option under the Settings category is highlighted with a red circle labeled '1'. The main content area has three tabs: 'Application settings', 'General settings', and 'Path mappings'. The 'Path mappings' tab is selected and highlighted with a red circle labeled '2'. At the top of the main area are buttons for 'Refresh', 'Save', and 'Discard'. Below the tabs, the section 'Mount storage (Preview)' is visible, with a description: 'Mounted storage lets you map up to 5 Azure Files or Blob containers for'. A button labeled '+ New Azure Storage Mount' is highlighted with a red circle labeled '3'. Below this button is a table with columns 'Name', 'Mount path', and 'Type'.

Name	Mount path	Type
------	------------	------



# Add Path Mappings

The screenshot shows the 'webappforcontainers - Configuration' page in the Azure portal. The left sidebar contains a navigation menu with 'Configuration' highlighted (marked with a red circle 1). The main content area has tabs for 'Application settings', 'General settings', and 'Path mappings' (marked with a red circle 2). Under 'Path mappings', there is a 'Mount storage (Preview)' section with a '+ New Azure Storage Mount' button (marked with a red circle 3). Below this button is a table with columns 'Name', 'Mount path', and 'Type'.

## New Azure Storage Mount

Name

Configuration options ☒ Basic ☐ Advanced

Storage accounts

Storage type ☒ Azure Blob ☐ Azure Files

Storage container

Mount path

## New Azure Storage Mount

Name

Configuration options ☐ Basic ☒ Advanced

Storage account

Storage type ☐ Azure Blob ☒ Azure Files

Share name

Access key

Mount path



How can I easily  
deploy new versions  
of my containers?



# Tip #11


Enable continuous deployment



Microsoft Azure

Search resources, services, and docs (G+)

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 **kuarddemo1** | Deployment Center

App Service

Search (Ctrl+)

Diagnose and solve problems

Security

Events (preview)

Deployment

Quickstart

Deployment credentials

Deployment slots

**Deployment Center**

Settings

Configuration

Authentication

Application Insights

Identity

Backups

Save Discard Browse Manage publish profile Leave F

Registry settings

Container TypeSingle Container

Registry sourceDocker Hub

Repository Access \*Public

Full Image Name and Tag \*k8sacademy/kuard:latest

Startup File

Continuous deploymentOn Off

Webhook URL

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How can I connect  
using SSH?

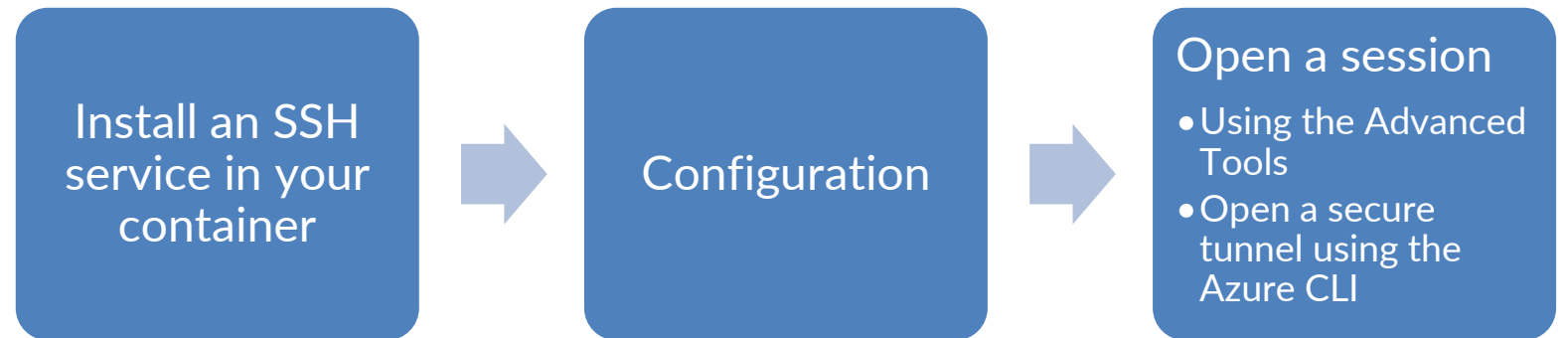


# Tip #12

Open an SSH session using a secure tunnel



```
ssh://root@169.254.131.3:2222 SSH CONNECTION ESTABLISHED
```



```
# Create the secure tunnel
az webapp create-remote-connection --subscription <name> -g <rg-name> -n <app-name>

# Open a session using the port number returned by the previous command
ssh root@127.0.0.1 -p <port>
```





# That's it!

## 12 cool App Service tips & tricks!



# Thank You!



# Q&A

