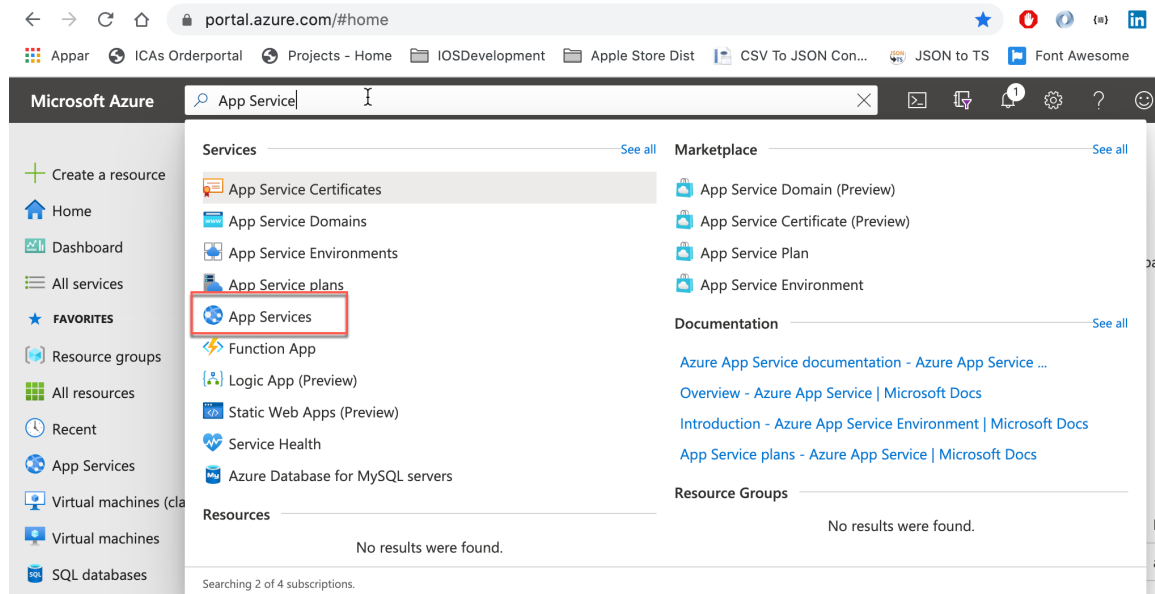


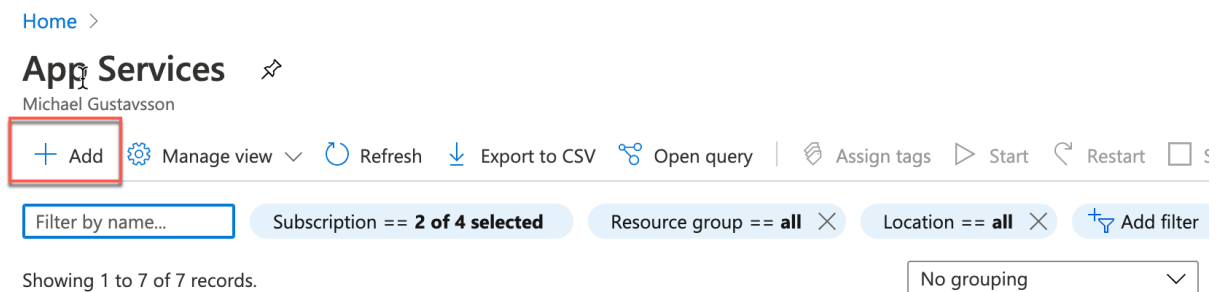
Azure CI/CD

STEG 1.

Skapa en Web App via Azure Portal.



Klicka på Add.



Fyll i uppgifterna för App Service



1. Skapa en ny resursgrupp och ge Webb applikationen ett namn.
2. Välj att publicera "Code".
3. Nästa steg är att välja vilken runtime stack som skall användas. Använd dropdown listan för att välja.
4. Välj region
5. Välj att skapa en ny App Service Plan.
6. Klicka på "Change Size" under **Sku and size**.

Create Web App


platform to perform infrastructure maintenance. [Learn more](#) 

Project Details


Select a subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.


Subscription * 	<div>Visual Studio Premium med MSDN</div> <div>▼</div>
Resource Group * 	<div>(New) ITHS</div> <div>▼</div>
	Create new

Instance Details

Name *	<div>ITHSCICD</div> <div>✓</div> <div>.azurewebsites.net</div>
Publish *	<input checked="" type="radio"/> Code <input type="radio"/> Docker Container
Runtime stack *	<div>Node 12 LTS</div> <div>▼</div>
Operating System *	<input type="radio"/> Linux <input checked="" type="radio"/> Windows
Region *	<div>North Europe</div> <div>▼</div>
	 Not finding your App Service Plan? Try a different region.


App Service Plan


App Service plan pricing tier determines the location, features, cost and compute resources associated with your app. [Learn more](#) 


Windows Plan (North Europe) * 	<div>(New) ITHS-Service-Plan</div> <div>▼</div>
	Create new
Sku and size *	<div>Standard S1</div> <div>100 total ACU, 1.75 GB memory</div> <div>Change size</div>

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

Spec Picker

**Dev/Test**
For less demanding workloads

**Production**
For most production workloads

**Isolated**
Advanced networking and scale

Recommended pricing tiers

F1

Shared infrastructure
1 GB memory
60 minutes/day compute
Free

D1

Shared infrastructure
1 GB memory
240 minutes/day compute
82.91 SEK/Month (Estimated)


B1


100 total ACU
1.75 GB memory
A-Series compute equivalent
280.63 SEK/Month (Estimated)

See additional options

Included hardware

Every instance of your App Service plan will include the following hardware configuration:

**Memory**
Memory available to run applications deployed and running in the App Service plan.

**Storage**
1 GB disk storage shared by all apps deployed in the App Service plan.

Apply

Välj Dev/Test och sedan välj **Pricing Tiers Free** och klicka på **Apply**.

Tillbaka på **Create Web App** sidan klicka på **Review + Create** knappen.

När Review är klar klicka på knappen **Create**.

Vänta tills Deployment är färdig och klicka på **Goto Resource**.

3

ITHSCICD

App Service

Search (Cmd+/)

«

Browse

Stop

Swap

Restart

Delete

Refresh

...

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Security

Events (preview)

Deployment

Quickstart

Deployment slots

Click here to access our Quickstart guide for deploying code to your app →

Essentials

Resource group (change)

ITHS

Status

Running

Location

North Europe

Subscription (change)

Visual Studio Premium med MSDN

Subscription ID

d3a3f8da-6272-4333-b154-fd19b2c347a6

Tags (change)

Click here to add tags

URL

https://ithscid.azurewebsites.net

App Service Plan

ITHS-Service-Plan (F1: Free)

FTP/deployment username

ITHSCICD\MichaelG

FTP hostname

ftp://waws-prod-db3-169.ftp.azurewebsites....

FTPS hostname

ftps://waws-prod-db3-169.ftp.azurewebsites....

Klicka på länken under URL:

← → ↺

ithscid.azurewebsites.net

☆

🔍

🌐

🔗

📄

🔔

🔧

Appar

ICAs Orderportal

Projects - Home

IOSDevelopment

Apple Store Dist

CSV To JSON Con...

JSON to TS

Microsoft Azure

Hey, App Service developers!

Your app service is up and running.

Time to take the next step and deploy your code.

Have your code ready?

Use deployment center to get code published from your client or setup continuous deployment.

Deployment Center

Don't have your code yet?

Follow our quickstart guide and you'll have a full app ready in 5 minutes or less.

Quickstart

NU ÄR VÅR NYA WEBB APPLIKATION UPPE OCH SNURRAR PÅ AZURE!!!

4

STEG 2.

I en valfri katalog skapa filen hostingstart.html och skapa en html fil med valfritt innehåll.
Initiera git i katalogen med git init.
Checka in filen i git lokalt.

```
[→ CiCd git:(master?) git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        hostingstart.html

nothing added to commit but untracked files present (use "git add" to track)

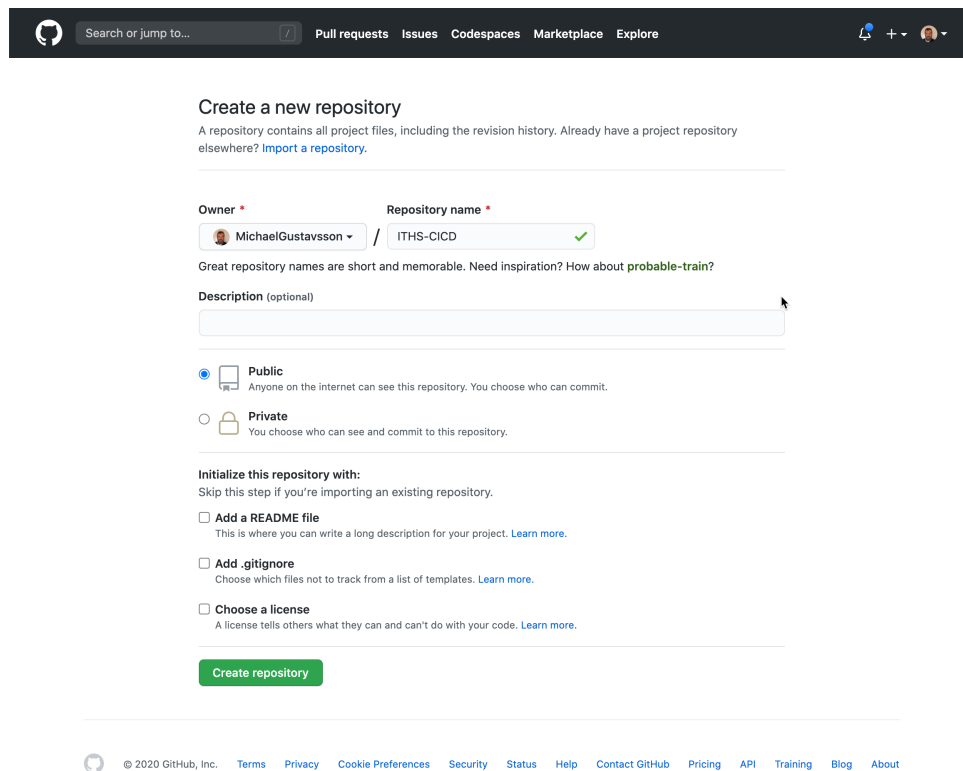
[→ CiCd git:(master?) git add .

[→ CiCd git:(master+) git commit -m "Initial Commit"
[master (root-commit) c9eced8] Initial Commit
 1 file changed, 11 insertions(+)
 create mode 100644 hostingstart.html

→ CiCd git:(master) |
```

Steg 3.

På GitHub skapa ett repository för vår Continous Deployment process.



Search or jump to... Pull requests Issues Codespaces Marketplace Explore

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository](#).

Owner ^{*} MichaelGustavsson / Repository name ^{*} ITHS-CICD ✓

Great repository names are short and memorable. Need inspiration? How about [probable-train](#)?

Description (optional)

☒ **Public**
Anyone on the internet can see this repository. You choose who can commit.

☐ **Private**
You choose who can see and commit to this repository.

Initialize this repository with:
Skip this step if you're importing an existing repository.

☐ **Add a README file**
This is where you can write a long description for your project. [Learn more](#).

☐ **Add .gitignore**
Choose which files not to track from a list of templates. [Learn more](#).

☐ **Choose a license**
A license tells others what they can and can't do with your code. [Learn more](#).

Create repository

© 2020 GitHub, Inc. [Terms](#) [Privacy](#) [Cookie Preferences](#) [Security](#) [Status](#) [Help](#) [Contact GitHub](#) [Pricing](#) [API](#) [Training](#) [Blog](#) [About](#)

Se till att INTE markera något av alternativen Add a README file, Add .gitignore och Choose a licens.

Klicka på **Create Repository**.

...or push an existing repository from the command line

```
git remote add origin https://github.com/MichaelGustavsson/ITHS-CICD.git
git branch -M main
git push -u origin main
```

Markera endast ovanstående markerade rad och kopiera till urklipp.

Tillbaka i terminal eller konsol fönstret klistra in ovanstående kopierade text och tryck **Enter**.

Därefter kör kommandot för att skicka vårt lokala git repo till GitHub.

```
[→ CiCd git:(master) git remote add origin https://github.com/MichaelGustavsson/ITHS-CICD.git ]
[→ CiCd git:(master) git push -u origin master ]
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 420 bytes | 420.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/MichaelGustavsson/ITHS-CICD.git
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
[→ CiCd git:(master) |
```

Ny har vi synkroniserat vårt lokala git repo med vårt GitHub repo.

Steg 4.

Nu är det dags att konfigurera Azure för Continuous Deployment. Gå tillbaka till Azure Portal och se till att välja den skapade Azure Webb Applikationen. I listan med inställningar/settings leta upp **Deployment Center**.

ITHSCICD App Service

Search (Cmd+/) << Browse Stop Swap Restart Delete Refresh ...

Click here to access our Quickstart guide for deploying code to your app →

Essentials

Resource group (change)	URL
ITHS	https://ithscicd.azurewebsites.net
Status	App Service Plan
Running	ITHS-Service-Plan (F1: Free)
Location	FTP/deployment username
North Europe	ITHSCICD\MichaelG
Subscription (change)	FTP hostname
Visual Studio Premium med MSDN	ftp://waws-prod-db3-169.ftp.azurewebsites....
Subscription ID	FTPS hostname
d3a3f8da-6272-4333-b154-fd19b2c347a6	ftps://waws-prod-db3-169.ftp.azurewebsites....
Tags (change)	
Click here to add tags	

Deployment

- Quickstart
- Deployment slots
- Deployment Center**
- Deployment Center (Preview)

Settings

- Configuration
- Authentication / Authorization
- Application Insights
- Identity
- Backups
- Custom domains
- TLS/SSL settings
- Networking

Diagnose and solve problems
Our self-service diagnostic and troubleshooting experience helps you identify and resolve issues with your web app.

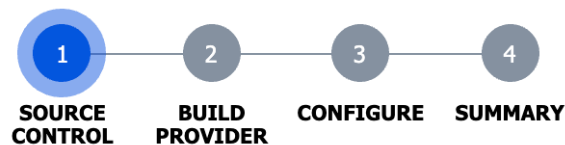
Application Insights
Application Insights helps you detect and diagnose quality issues in your apps, and helps you understand what your users actually do with it.

App Service Advisor
App Service Advisor provides insights for improving app experience on the App Service platform. Recommendations are sorted by freshness, priority and impact to your app.


Markera alternativet GitHub om ni inte har auktoriserat GitHub med Azure kommer ni att få upp en ny dialogruta som ber er göra detta. Klicka på **Continue**.

Deployment Center


App Service Deployment Center enables you to choose the location of your code as well as options for build and deployment to the cloud. [Learn more](#)



Continuous Deployment (CI / CD)


**Azure Repos**

Configure continuous integration with an Azure Repo, part of Azure DevOps Services (formerly known as VSTS).

**GitHub**


Configure continuous integration with a GitHub repo.

MichaelGustavsson

**Bitbucket**

Configure continuous integration with a Bitbucket repo.

Not Authorized

**Local Git**

Deploy from a local Git repo.

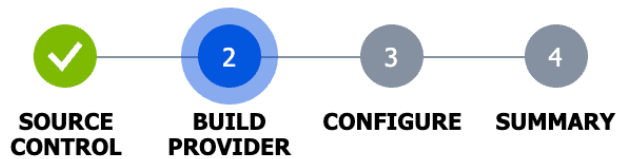
Change Account


Continue

I nästa steg markera App Service build service och klicka på **Continue**.

Deployment Center


App Service Deployment Center enables you to choose the location of your code as well as options for build deployment to the cloud. [Learn more](#)





App Service build service

Use App Service as the build server. The App Service Kudu engine will automatically build your code during deployment when applicable with no additional configuration required.



GitHub Actions

Automate your build, test, and deployment steps with GitHub Actions for free. This will add a YML workflow to your repository with steps to build and deploy your application to App Service.

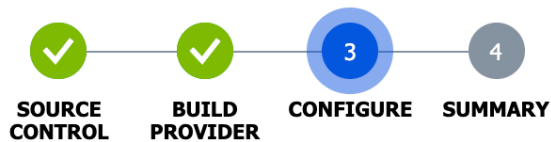
Back

Continue

I nästa steg välj uppgifter för organisation, repo och branch och klick på **Continue**.

Deployment Center

App Service Deployment Center enables you to choose the location of your code as well as options for build and deployment to the cloud. [Learn more](#)



Code



If you can't find an organization or repository, you might need to enable additional permissions on GitHub. [↗](#)

Organization

MichaelGustavsson

Repository

ITHS-CICD

Branch

master

Back

Continue

I sista steget klicka på **Finish**.



Deployment Center

App Service Deployment Center enables you to choose the location of your code as well as options for build a deployment to the cloud. [Learn more](#)



SOURCE CONTROL

Repository	https://github.com/MichaelGustavsson/ITHS-CICD
Branch	master








BUILD PROVIDER

Provider	App Service build service
----------	---------------------------

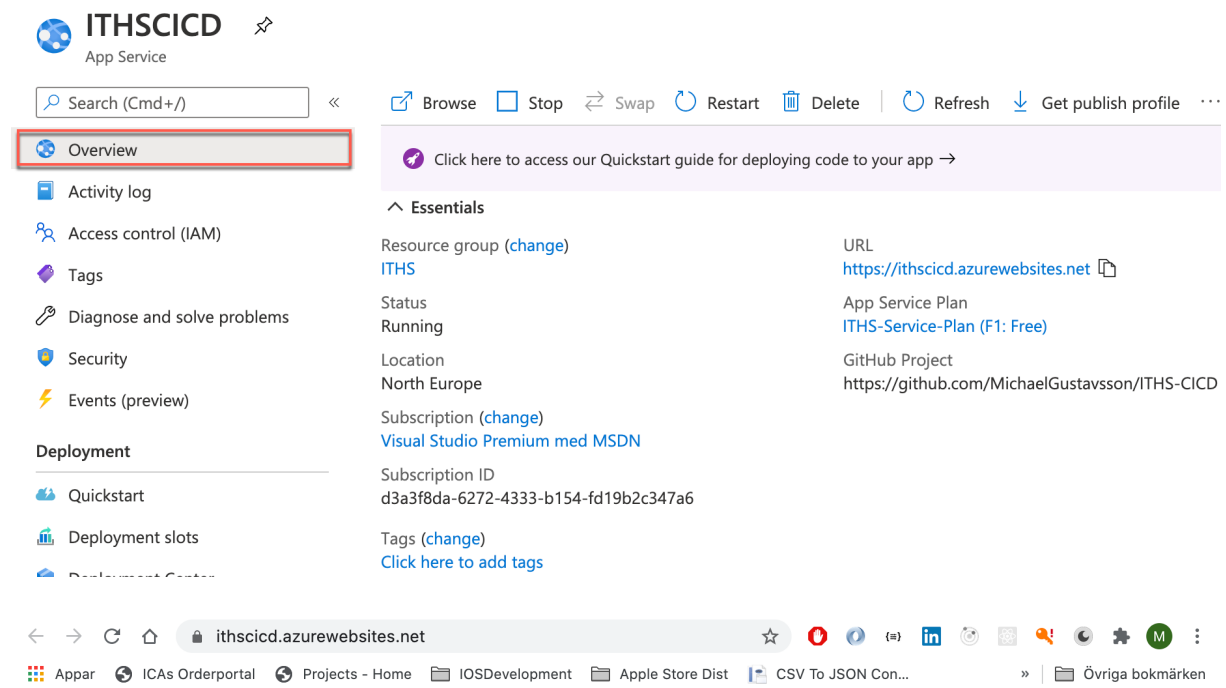
Back

Finish

När konfigurationen är klar bör vi se följande information.

 Browse	 Refresh	 Disconnect	 Sync	 Deployment Credentials
Source GitHub	Repository https://github.com/MichaelGustavsson/ITHS-CICD 			
Build Kudu	Branch master			
Source Control Type Git				
TIME	STATUS	COMMIT ID (A	CHECKIN MESSAGE	LOGS
Wednesday, October 14, 2020				
7:39:00 PM GMT	Success (Active)	c9eced8 (Michae	Initial Commit	

Gå till **Overview** och klicka på länken under URL:



ITHSCICD App Service

Search (Cmd+/) << Browse Stop Swap Restart Delete Refresh Get publish profile ...

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

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Click here to access our Quickstart guide for deploying code to your app →

Essentials

Resource group (change)

ITHS

Status

Running

Location

North Europe

Subscription (change)

Visual Studio Premium med MSDN


Subscription ID

d3a3f8da-6272-4333-b154-fd19b2c347a6

Tags (change)

Click here to add tags

URL

[https://ithscid.azurewebsites.net](https://ithscicd.azurewebsites.net) 

App Service Plan

ITHS-Service-Plan (F1: Free)

GitHub Project

<https://github.com/MichaelGustavsson/ITHS-CICD>

ithscicd.azurewebsites.net

Appar ICAs Orderportal Projects - Home IOSDevelopment Apple Store Dist CSV To JSON Con... Övriga bokmärken

Azure Continuous Integration & Deployment Demo

Fantastiskt! Vi har nu konfigurerat Azure Continuous Deployment. Försök nu att göra ändringar i `Hostingstart.html` och checka in ändringarna till GitHub. Gå tillbaka till Azure Deployment Center och se att ytterligare en Fetch har skett ifrån GitHub till Azure. Uppdatera test sidan för att se att uppdateringen är genomförd hela vägen till applikationen.