# **Azure Roadmap (Phase 1)**

## Step (1) Proof of concept (Week 46)

Tasks:

Deploy R and C# Docker Container to Azure - Where are we going to deploy Docker containers?

How are we going to show the data for the traders, and how are the traders putting in new input?

(Talk to Cloud Solution Architect and data specialist)

## Step (2) Review SQL Setup (Week 47 + 48)

Tasks:

Review our current Azure SQL setup.

Azure Database Access - Create a document with best practice and apply the concept on our current setup.

How do we control user access to Azure SQL database?

Should we use Azure active directory? Should we use our own domain, to avoid delays for IT-Operation?

Create database backup at test how to get things up running.

## Step (3) Clean Up (Week 47 + 48)

Tasks:

Organize Azure resources and apply correct naming and security. (Management groups, Subscriptions, Resource groups and )

Azure Portal - All user should use two-factor authentication - Apply this as default.

## Step (4) Logging and Storage (Week 49)

Tasks:

Application logging in Azure. (Log Analytics, Azure Files or etc.)

Should we use common storage

File-share in Azure/SharePoint?

## Step (5) Containers and functions (Week 50)

Tasks:

Create a List of excel sheet we should move to the cloud in Phase 1. Add to the list all resources these sheets uses.

Create R containers to create data the Excel sheets in Phase 1

Move Trayport Market Trade Collector (C# - .Net Core) to a container

Deploy all containers

Make sure all functions are running

## Step (6) Reports (Week 51 + 52)

Tasks:

Create reports matching all Excel sheets. Use the presentation tool for Step (1)

## Step (7) Uptime and backup (Week 1)

Tasks:

What is the expected uptime for the database, containers, functions and reports etc.

Setup backup for all recourses

Rebuild the recourses from backup

## Step (8) Implement the new cloud solution (Week 2 + 3)

Tasks:

Create access for all users

Apply logging for all solutions

## Step (9) Cost analysis (Week 3)

Tasks:

Analyze cost

***We are up and running with Phase 1 medio January 2020.***