Deploying and Managing Models in Microsoft Azure

DEPLOYING A MACHINE LEARNING MODEL

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Overview

- Azure Machine Learning
- Model deployment
- Model version control
- Azure DevOps
- Performance monitoring

Azure Machine Learning

Azure Machine Learning

Azure Machine Learning is a cloud service that you use to train, deploy, automate, and manage machine learning models, all at the broad scale that the cloud provides.

Azure Machine Learning

Prepare

Experiment

Deploy

Train

Package

Validate

Deploy

Monitor

Workspace

Top-level resource for Azure Machine Learning, providing a centralized place to work with all the artifacts you create when you use Azure Machine Learning

Notebook VMs

User Roles

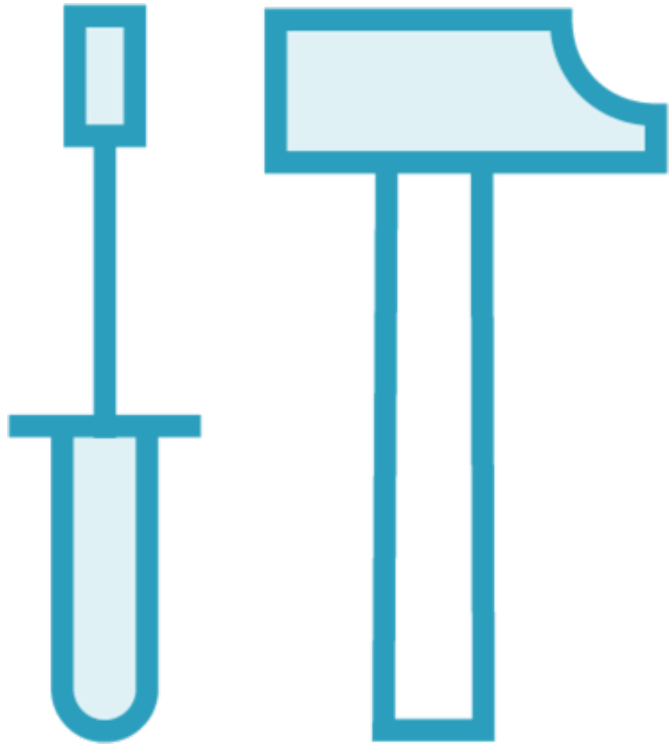
Compute Targets

Experiments

Pipelines

Datasets

Deployment

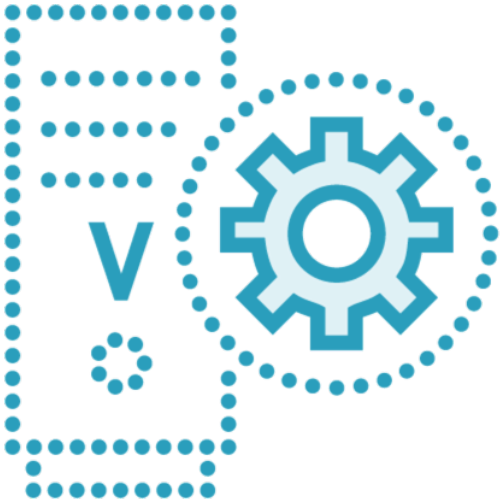


Demo

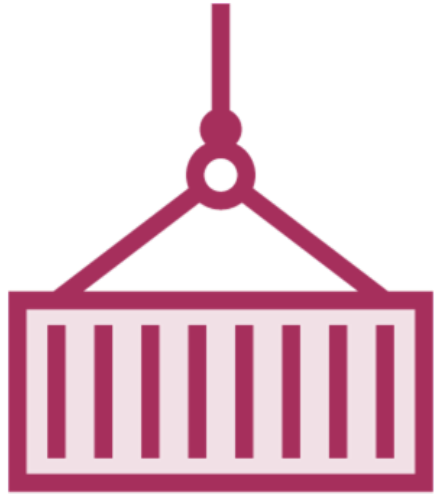
Creating Azure Machine Learning

Deploying Models

Deployment Targets



Web Service



IoT Module

Web Services

Local

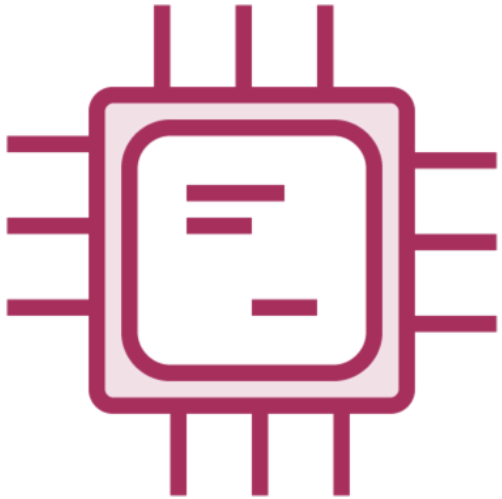
Notebook VM

Azure Kubernetes Service

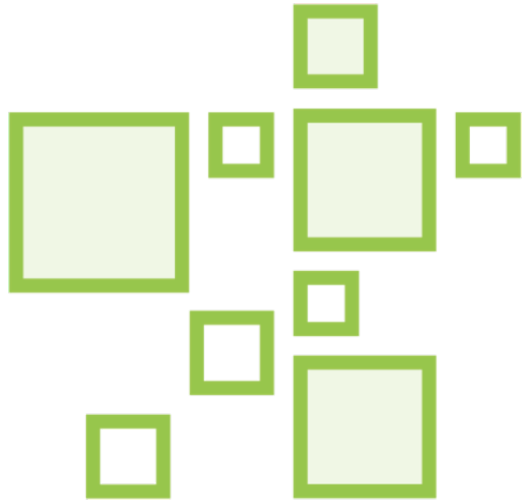
Azure Container Instances

Azure Machine Learning Compute

IoT Module



Azure IoT Edge



Azure Databox Edge

Jared Rhodes

Designing an Intelligent Edge in Microsoft Azure

Demo

Create model

Deploy model

Review

Azure Machine Learning

Model deployments