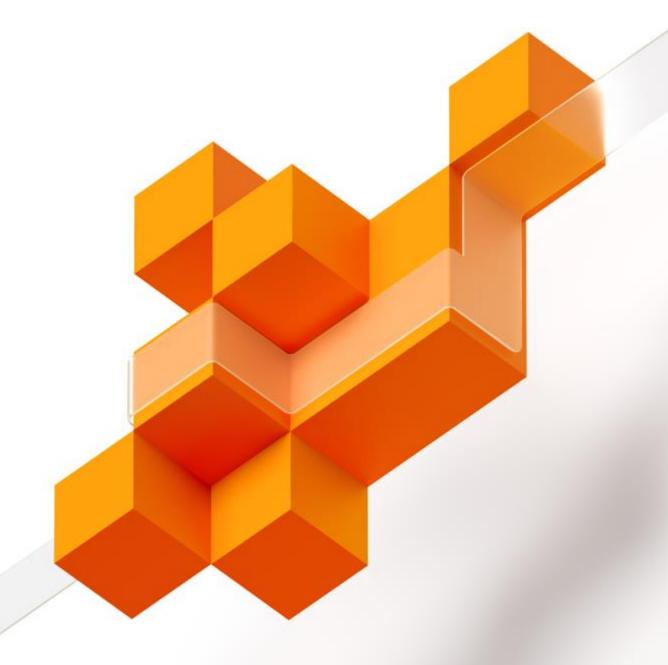


Al within reach: Zero code solutions at enterprise scale with Azure Machine Learning designer

Sonal Pardeshi, Senior Product Marketing Manager Azure Al



Agenda

Azure AI and machine learning

Azure Machine Learning designer for drag and drop ML

Demo – create training and inference pipelines

At the end of this session, you should be better able to...



Go from ideation to model deployment rapidly with no-code authoring



Create pipeline workflows easily using drag and drop capabilities

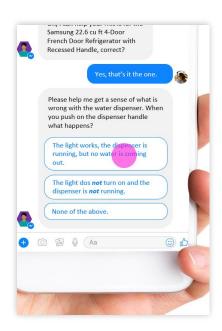


See how Azure Machine Learning enables various skill levels

Al is gaining momentum across industry scenarios

New generation of business agents

B2B, B2C, B2E



Person, object, and activity detection

Retail, manufacturing, security



Al assisted professionals

Marketing, legal, financial



Knowledge mining

Documents, video



Autonomous systems

Vehicles, networks, RPA



Azure Al Momentum







1 million

ML experiments per month

5 billion

Transactions per month

6 billion

Documents processed per day

Some challenges with AI adoption

People

Process

Technology



Not familiar with syntax



Setup development environment



Security and scale





Manage infrastructure and integrate with production



Lack of flexibility



Azure Machine Learning









For all skill levels

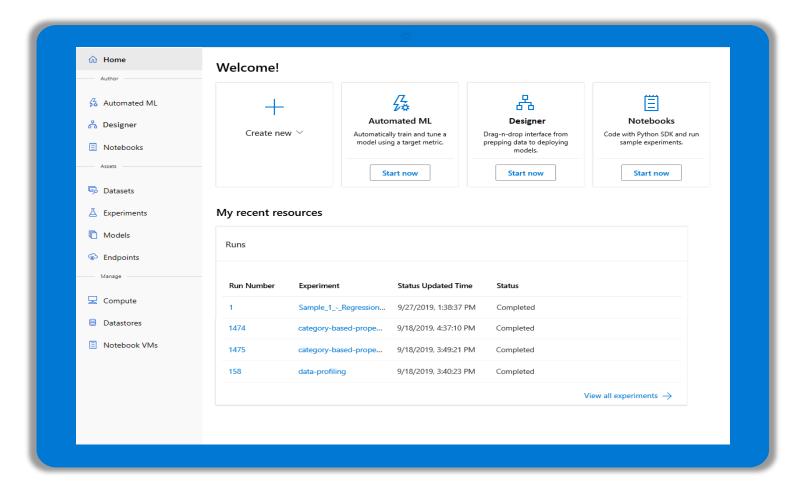
Industry leading MLOps

Open & Interoperable

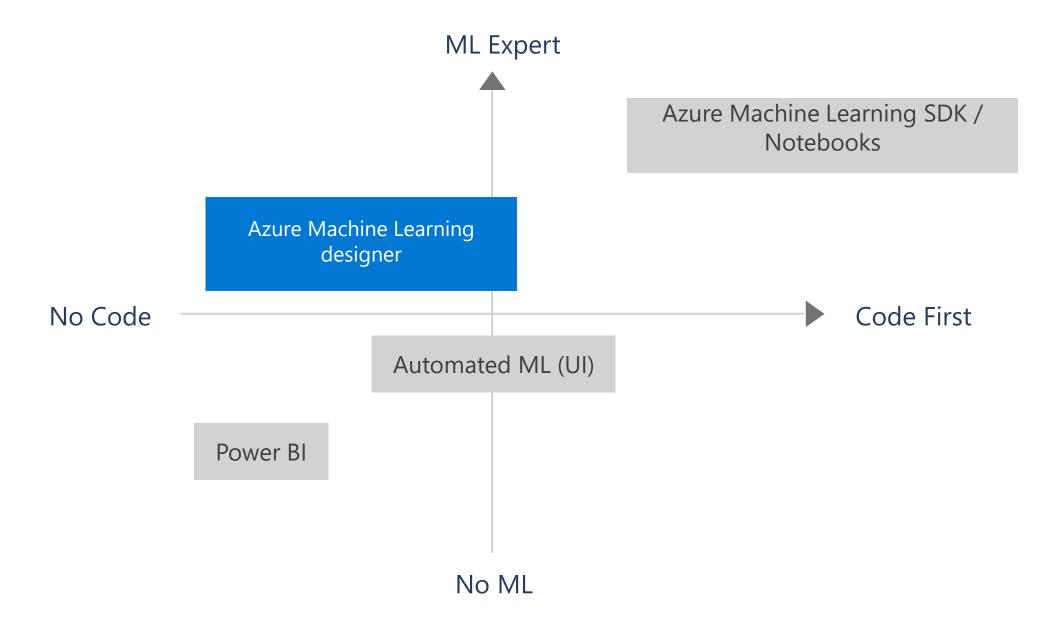
Security and governance

Azure Machine Learning

For all skill levels studio web experience



Build across skill levels with Azure Machine Learning



Who uses designer in the enterprise?



New to Machine Learning

Learn machine learning



Novice Data Scientists

Build models and prefer visual tools vs coding



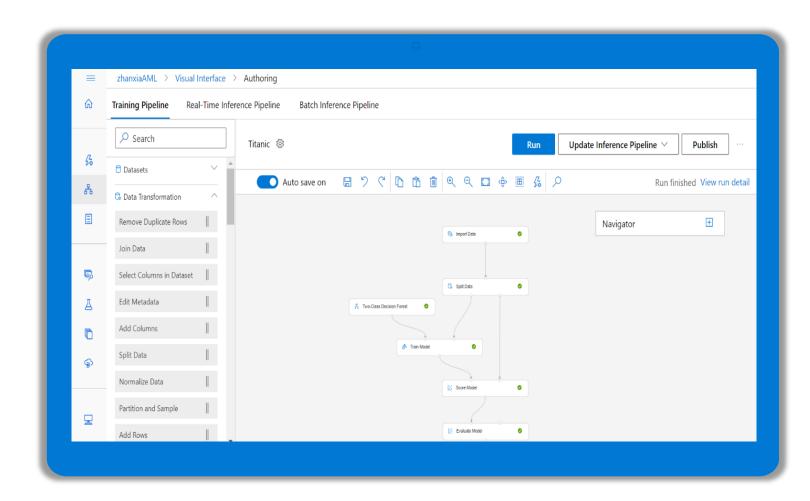
ML Experts

Quickly prototype



Azure Machine Learning designer

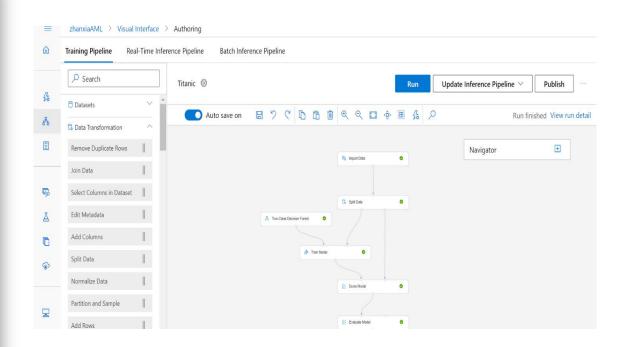
- Simplify the process of building, testing, and operating machine learning models
- Built-in modules and samples to get started and create custom models
- Support for R and Python
- Share easily across workspaces



designer or ML Studio (classic)?

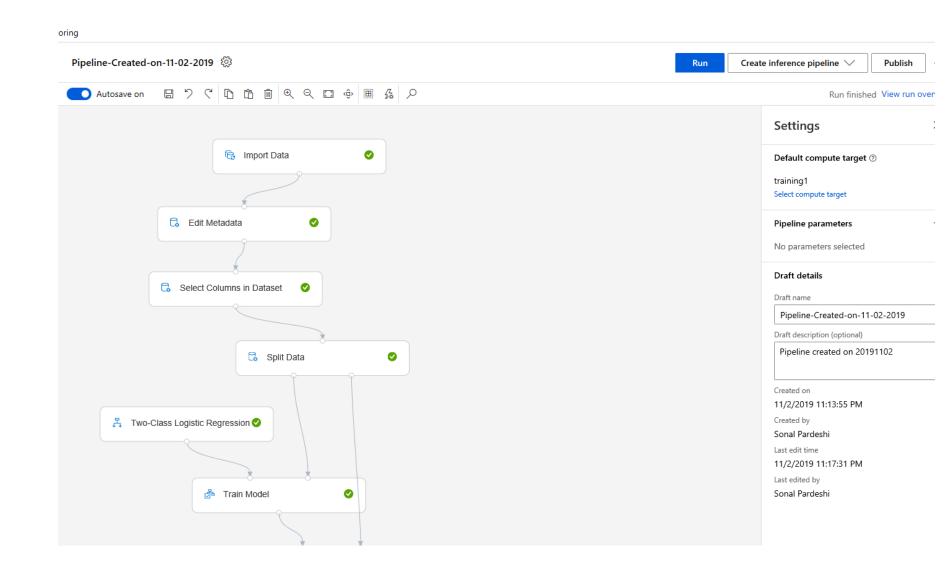
What's new

- New Pipelines for training, real-time inferencing and batch inferencing
- New MLOps integration
- New auto scale, no 10 GB data limits and high performance of Azure Machine Learning
- Popular built-in modules of Studio (classic)
- Same one click publish, R support, notebooks, collaboration, datasets, data sources



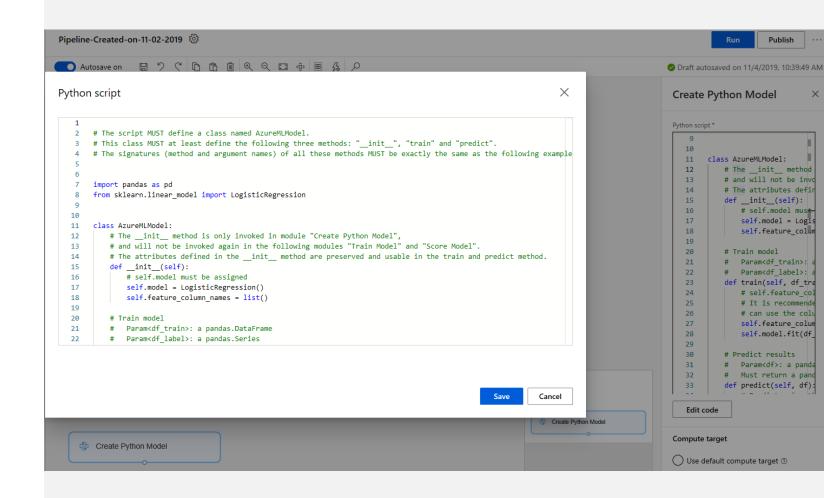
Designer UI

- Drag-n-drop
- Built-in modules
- Data visualization
- Model evaluation



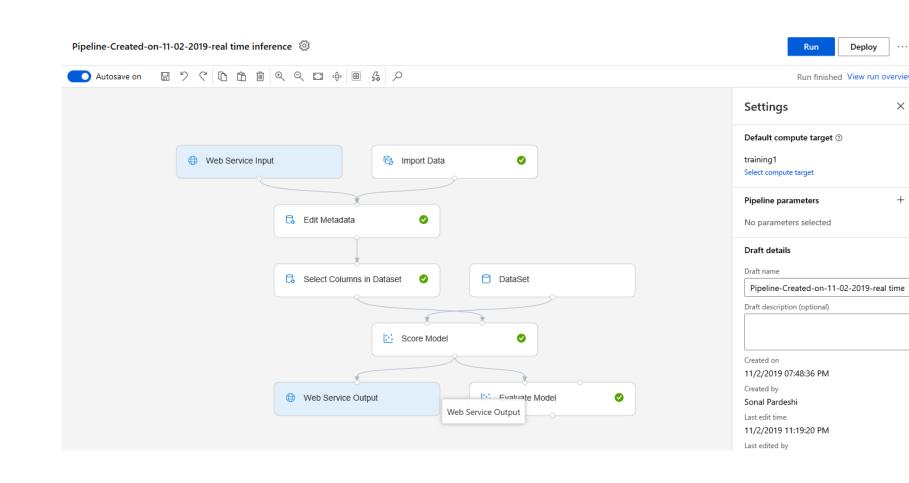
Custom Code

- Run Python and R code
- Create Model

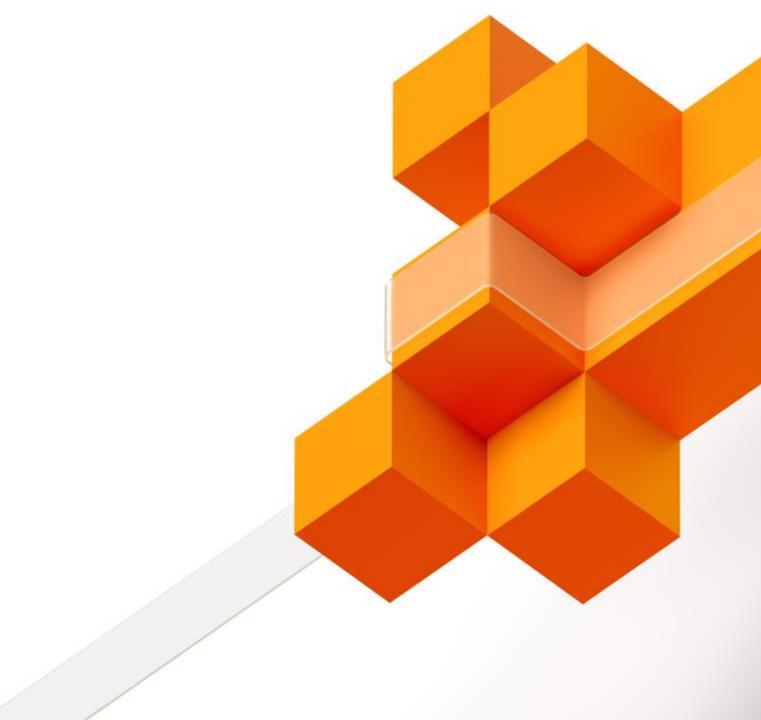


Easy Deployment

- A few clicks
- Automatically generate scoring file
- Batch scoring
- Model registration
- Build image
- AKS for scale

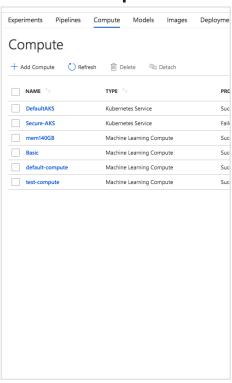


designer demo

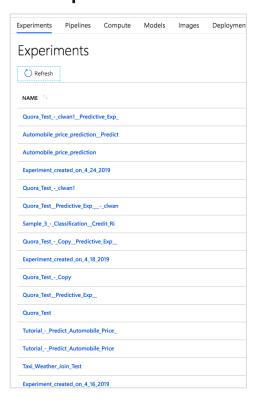


Fully Integrated with Azure Machine Learning

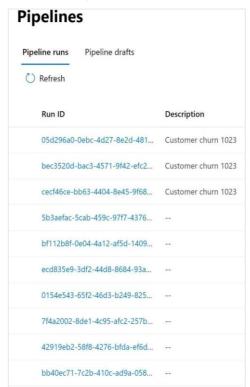
Compute



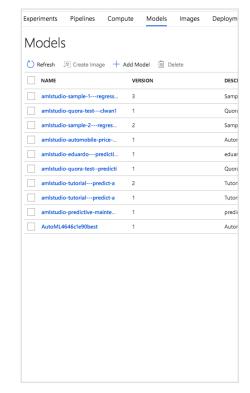
Experiments



Pipelines



Models

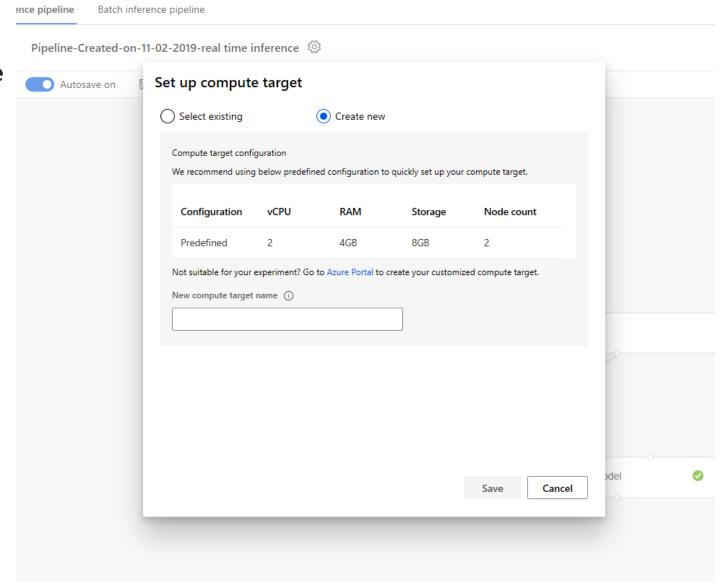


Web Services

Experiments	Pipelines	Compute	Models	Images
Deployments				
C) Refresh D Edit 🗓 Delete				
NAME	NAME		LAST UPDATED	
amlstudio-7d3998f76b27448ea			04/28/2019, 6:41:25 AM UTC	
amlstudio-0b43d7388e4c461e			04/26/2019, 3:07:20 AM UTC	
amlstudio-88349c67064d474e			04/25/2019, 9:52:44 AM UTC	
amlstudio-b8fe35b8a9a5467eb			04/25/2019, 4:20:42 AM UTC	
amlstudio-	26696e005d1	e420e	04/18/2019, 10:	03:22 PM UTC
amlstudio-	77eb563356a	c4cd9	04/18/2019, 11:	58:12 AM UTC
amlstudio-	d63f4bf44ea	94b698	04/18/2019, 6:0	4:58 AM UTC
amlstudio-	caf3ecf6056b	48eaa	04/18/2019, 3:1	8:51 AM UTC
amlstudio-	eea1c27db7a	549329	04/15/2019, 2:0	3:49 AM UTC
amlstudio-	3ab57ae936f	548dd	04/03/2019, 4:4	8:03 AM UTC

Best of Azure Machine Learning

- Bring your own compute, specify compute targets per node
- Auto-scale with data growth or model complexity
- Integrated with datasets, blob and more
- Run history & versioning
- Debug Logs
- Endpoints



Learn More







Start Free

Build, train, and deploy models with an Azure free account

Documentation

Dig into our technical documentation

Give feedback

Tell us what you think, ask for a feature

https://azure.microsoft.com/free

https://aka.ms/AzureMLDocs

https://aka.ms/AzureML_feedback

