

Azure AI Proof of Concept or Pilot

Demonstrate the functionality and feasibility of an identified use case by employing rapid AI/ML algorithms to generate immediate business value.

6-WEEK PROOF OF CONCEPT

During our AI proof of concept (PoC) engagement we work with you on the initial development of a candidate project that has been selected from the opportunity assessment phase. The PoC is usually small and restricted in scope with the goal of rapidly demonstrating the viability of the use case to your business. This is achieved by harnessing Azure AI capabilities such as Machine Learning, Cognitive Services, and DevOps.

Some examples of common use cases are: Product Recommendations, Sales & Demand Forecasting, Sentiment Analysis, Lifetime Value, Churn Prediction, and Customer Segmentation.

Key Benefits

At the end of this engagement, you will have the following:

- ✓ Landing zone set up
- ✓ Ingested and cleaned datasets
- ✓ ML model scripts, artifacts and workflows using Azure Machine Learning services
- ✓ Final readout document

Approach

To be tailored to your organization's needs.

	1. Discovery/ Setting Up Landing Zone	2. Data Analysis, Prep & Ingestion	3. Model Selection & Result Readout
Objectives	<ul style="list-style-type: none">• Set up cloud environment• Review data attributes	<ul style="list-style-type: none">• Analyze data for modeling• Transform and ingest data	<ul style="list-style-type: none">• Identify/tune models• Present results
Activities	<ul style="list-style-type: none">• Conduct requirements interviews with stakeholders• Form hypothesis about the identified problems• Review all relevant datasets to decide what will be required for ML analytics• Design current state Azure architecture• Set up Azure cloud environment	<ul style="list-style-type: none">• Conduct feature selection to decide what variables will be used to create the data scheme (measurement, attributes)• Conduct feature engineering to select features and construct more meaningful ones using the raw data• Parse unstructured data into structured numerical format	<ul style="list-style-type: none">• Read-in data to Azure ML Services/ ML Studio• Experiment with out-of-the-box models• Potentially augment Azure ML models with other models• Refine the feature set to optimize the best-fit models• Evaluate and identify best-fit models to be moved into production
Deliverables	<ul style="list-style-type: none">• Interview findings• Validate dataset features• Azure Landing Zone	<ul style="list-style-type: none">• Structured data frame in relational database for modeling• Finalized data frame	<ul style="list-style-type: none">• Identified models to be moved into production
Timing	<ul style="list-style-type: none">• Weeks 1-2	<ul style="list-style-type: none">• Weeks 2-5	<ul style="list-style-type: none">• Weeks 5-6
Team	<ul style="list-style-type: none">• Principal (PT), AI & ML Practice Lead (PT), Data Scientist / Engineer (FT)		



MNP Technology Solutions applies a collaborative, modern, and measured approach to help organizations thrive in a digital economy. With locations across Canada, our experienced professionals bring the industry and technical know-how needed to accelerate cloud transformation through the adoption of Power Platform, Dynamics 365, and a full array of Azure services and solutions.

For more information, visit mnptechnology.ca

Ready to Get Started?

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