

Project Design Phase-I
Solution Architecture

Date	27 October 2023
Team ID	PNT2022TMIDxxxxxx
Project Name	AI-Based Threat Intelligence Platform
Maximum Marks	4 Marks

Solution Architecture:

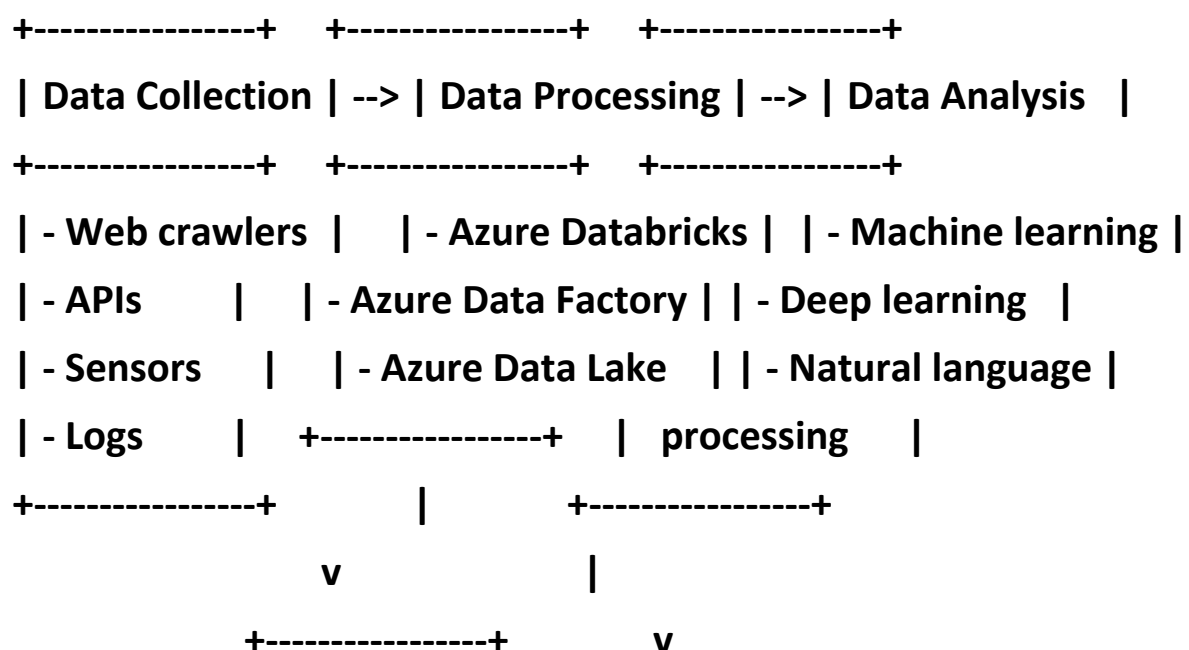
Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

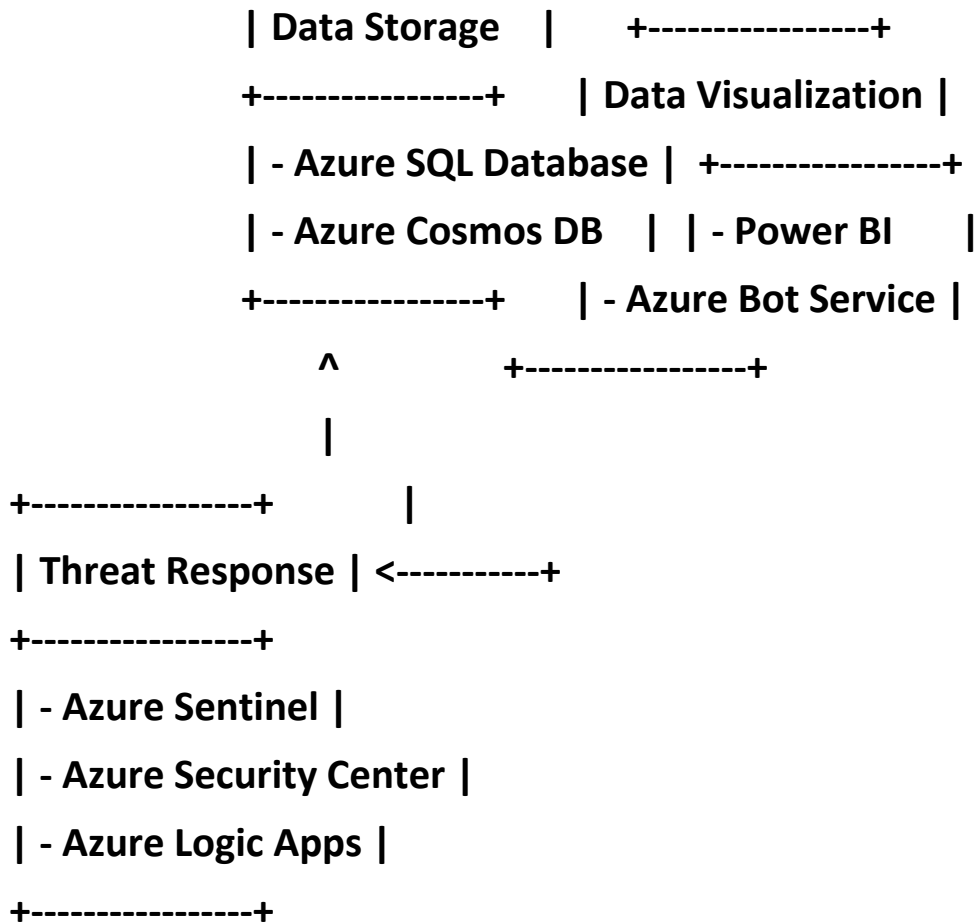
- Find the best tech solution to solve existing business problems.
- Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
- Define features, development phases, and solution requirements.
- Provide specifications according to which the solution is defined, managed, and delivered.

Example - Solution Architecture Diagram:

One example of a solution architecture diagram for an AI-based threat intelligence platform project is shown below. This diagram illustrates how different components of the system interact with each other and with external sources of data and services. The diagram also shows the main technologies and tools used for each component.

text





I hope this diagram helps you understand the basic architecture of an AI-based threat intelligence platform project. If you want to learn more about the technologies and tools used in this diagram, you can check out the following links:

- [Threat Modeling AI/ML Systems and Dependencies]
- [Artificial intelligence (AI) architecture design]
- [A simple method to create solution architecture diagrams]
- [Cloud Architecture Guidance and Topologies]

(1) Threat Modeling AI/ML Systems and Dependencies.

<https://learn.microsoft.com/en-us/security/engineering/threat-modeling-aiml>.

(2) Artificial intelligence (AI) architecture - Azure Architecture Center.

<https://learn.microsoft.com/en-us/azure/architecture/ai-ml/>.

(3) A simple method to create solution architecture diagrams.

<https://medium.com/@tuanvietle/a-simple-method-to-create-solution-architecture-diagrams-6a127b93a122>.

(4) Cloud Architecture Guidance and Topologies | Google Cloud.

<https://cloud.google.com/architecture>.

