Azure Stack tiered data for analytics

**Architecture overview**

Easily tier data and applications on-premises and in Azure with architecture that supports greater efficiency in applications. Filter unnecessary data early in the process, easily bring cloud applications close to the data on-premises, and analyze large scale aggregate data from multiple locations in Azure for fleet-level insights.

1. Data flows into a storage account.
2. Function on Azure Stack analyzes the data for anomalies or compliance.
3. Locally-relevant insights are displayed on the Azure Stack app.
4. Insights and anomalies are placed into a queue.
5. The bulk of the data is placed into an archive storage account.
6. Function sends data from queue to Azure Storage.
7. Globally-relevant and compliant insights are available in the global app.

**Azure products used in this solution**

- Functions
- Azure Queue
- Web apps
- Archive storage
- Storage files