**Anypoint Platform deployment scenarios can be evaluated along the following dimensions:**

* **Regulatory** requirements of on-premises processing
  + Including metadata about API invocations and messages
* **Time-to-market**
* **IT operations effort**
* Accessing **on-premises data sources**
* **Flexibility of deployment across cloud providers**
* **Isolation** between Mule apps
* **Control over Mule runtime** **tuning**
* **Scalability** of runtime plane
  + horizontal and vertical; static and dynamic
* Roll-out of **new releases**
* **Redeployment with zero downtime**
* HA
* Automated failover
* Out of box features required
  + Object store
  + Shared resource support
  + Persistent queues
  + Scheduling
  + Logging
  + Dashboards
  + Insights
  + Alerts
  + Auto scaling
* Anypoint Edge Security
* Tokenization

**Regulatory or IT operations requirements** that mandate on-premises processing of every data item, including metadata about API invocations and messages processed within Mule applications: requires Anypoint Platform Private Cloud Edition or Anypoint Platform for Pivotal Cloud Foundry

**Time-to-market**, assuming the effort to deploy Anypoint Platform must be included in the elapsed time: favors MuleSoft-hosted Anypoint Platform

**IT operations effort** favors MuleSoft-hosted Anypoint Platform over all other deployment scenarios; favors Anypoint Runtime Fabric over Anypoint Platform for Pivotal Cloud Foundry over Anypoint Platform Private Cloud Edition

**Latency and throughput when accessing on-premises data sources**  favors scenarios where Mule runtimes can be deployed close to these data sources, i.e., Anypoint Runtime Fabric, Anypoint Platform Private Cloud Edition and Anypoint Platform for Pivotal Cloud Foundry over CloudHub with geographically close runtime plane

**Flexibility of deployment across cloud providers** favorsAnypoint Runtime Fabric over Anypoint Platform Private Cloud Edition and Anypoint Platform for Pivotal Cloud Foundry. It does not apply to MuleSoft-hosted Anypoint Platform deployment as it uses AWS.

**Isolation between Mule applications** favors scenarios where each Mule application is assigned to its own Mule runtime; favors bare metal over VMs over containers for Mule runtimes

**Control over Mule runtime tuning** characteristics like JVM and machine memory, garbage collection settings, hardware, etc.: favors Hybrid, Anypoint Runtime Fabric and Anypoint Platform Private Cloud Edition over Anypoint Platform for Pivotal Cloud Foundry over MuleSoft-hosted Anypoint Platform

**Scalability of runtime plane** consider horizontal and vertical scaling; consider static and dynamic (load-based, automatic) scaling; favors cloud-deployments of runtime plane, including CloudHub; favors iPaaS functionality over manually provisioned Mule runtimes

**Roll-out of new releases** continuously (weekly) in the MuleSoft-hosted control plane versus quarterly releases of Anypoint Platform Private Cloud Edition

**Redeployment with zero downtime** is **the** feature available in MuleSoft-hosted Anypoint Platform and Anypoint Runtime Fabric.

**HA** favors cloud-deployments of runtime plane, including CloudHub; favors iPaaS functionality over manually provisioned Mule runtimes

**Automated failover** favors cloud-deployments of runtime plane, including CloudHub; favors iPaaS functionality over manually provisioned Mule runtimes

**Out of box features** mentioned below favors cloud-deployments of runtime plane, including CloudHub; favors iPaaS functionality over manually provisioned Mule runtimes

* + Object store
  + Shared resource support
  + Persistent queues
  + Scheduling
  + Logging
  + Dashboards
  + Insights
  + Alerts
  + Auto scaling

**Anypoint Edge Security** feature is available only in customer hosted infrastructure.

**Tokenization** feature is available only in customer hosted infrastructure.