



Lift & Shift Moving Maximo to the Cloud



Maximo 7.6.1.1 and Tivoli09 skin

Agenda

- SaaS is not Hosting – Intro to Basic differences
- What is Lift & Shift
- Preparing for the cloud
- Things that can move to the cloud
- Referenceable links

SaaS is not Hosting – Intro to Basic Differences

Traditional On-Premises IT

Data

Application

Databases

Operating System

Virtualization

Physical Storage

Network & Storage

Data Center

Colocation

Data

Application

Databases

Operating System

Virtualization

Physical Storage

Network & Storage

Data Center

Hosting

Data

Application

Databases

Operating System

Virtualization

Physical Storage

Network & Storage

Data Center

IaaS

Data

Application

Databases

Operating System

Virtualization

Physical Storage

Network & Storage

Data Center

PaaS

Data

Application

Databases

Operating System

Virtualization

Physical Storage

Network & Storage

Data Center

SaaS

Data

Application

Databases

Operating System

Virtualization

Physical Storage

Network & Storage

Data Center

Self Managed

Provider-Supplied

Gartner

*According to gartner.com

What is Lift & Shift

- Move of on-premise application to a cloud platform
- Like-for-like move with same application version in target cloud platform
- Benefits:
 - Minimizes change to users
 - Limiting amount of change limits risks
 - Faster time to value

What is Projotech Lift & Shift

- A proven methodology for lift & shift of Maximo systems to our cloud platform
- After successful lift-and-shift, support and upgrade responsibilities transfer to Projotech
- Stay on current product without additional costs moving forward
- Lift & Shift supported for Maximo 7.5 and higher

Preparing for Lift-and-Shift to Cloud

- Integrations – Document them fully
 - Focus on network protocols, ports and data flow direction.
 - New integrations: strive for HTTPS/REST API w/API Key
 - Secure public internet transmission eliminates the need for site-to-site VPN
- Projetechn supported End Points:
 - HTTPS via REST or Web Services
 - Table (usually over VPN)
 - File (Flat or XML using SFTP for file transfer)
 - LDAP (usually over VPN)

Preparing for Lift-and-Shift to Cloud

- Authentication – Adopt SAML
 - LDAP generally requires direct access to Active Directory (a big IT security risk)
 - SAML authentication is the new cloud standard
 - Multi-factor authentication can be leveraged with most SAML identity providers
 - Choose Mobile and add-ons that support SAML authentication
- Projotech Supports:
 - LDAP, SAML and Native

Preparing for Lift-and-Shift to Cloud

- Maximo Configuration Standards – use best practices
 - Naming Standards are important
 - Good automation script writing – bad code is bad code, regardless of language
 - Avoid business logic in the database layer
 - Use Maximo Framework for Configurations and Integrations
- Projetechn Support:
 - We support configurations of Maximo that adhere to known best practices
 - We do not support code at the database layer

Things that can and should move to the cloud

- **Maximo application data**
 - Full database schema
 - The vast majority of Maximo configuration is contained in db
 - Linked Documents
- **Maximo Customizations**
 - Custom Java and controls
 - Custom libraries
- **Mobile applications with server-side component**
 - Maximo mobile applications generally perform better running beside Maximo

Referenceable Links

- SaaS is not Hosting, Cloud vs. On Premises...

<https://www.projetechnology.com/maas/saas-vs-hosting>

- Projetechnology Lift & Shift:

<https://www.projetechnology.com/maas/ibm-maximo-lift-and-shift-to-cloud>

- Customization Standards

<https://tinyurl.com/MaximoCustomizationStandards>