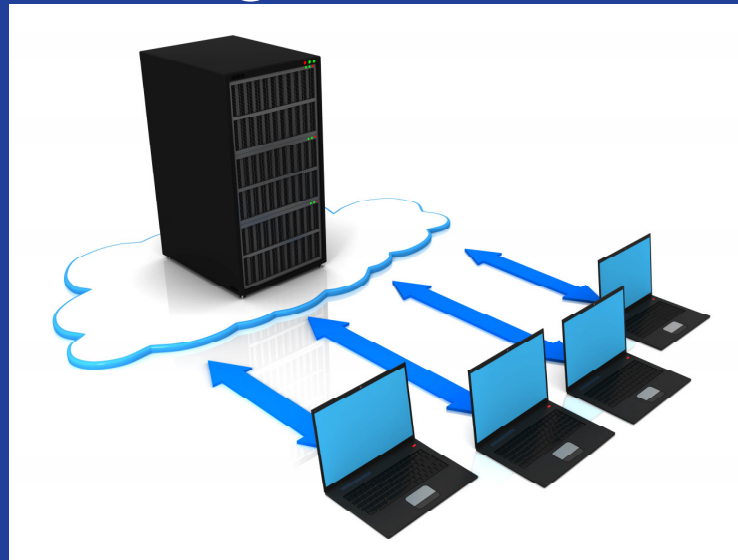# Cloud Readiness Checklist
A high level view

About Projetech

Projetech, a Gold IBM Business Partner, offers IBM Maximo: the global standard in software for Enterprise Asset Management and maintenance. Since 1999, Projetech has been providing Maximo as a Service (MaaS), which allows clients to manage, maintain and scale their solution requirements while benefiting from flexible services and lower operating costs.

- 5 datacenters worldwide
- Maximo as a Service since 1999
- 136+ clients worldwide
- Manage 765+ VMs daily
- Manage 322+ instances daily
- Audited ISMS Policies
- IBM business partner since 1995
- Partner network of industry experts

MORE

MAXIMO® ONLINE RESOURCES & EDUCATION

The one-stop-shop for IBM Maximo

moremaximo.com

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Top 5 Reasons to Join MORE:

1. **Access to Certified Maximo Experts**: have a Maximo question? Need advice? Simply post and get answers!

2. **Maximo Resource Library**: browse all the resources we have compiled from leading Maximo experts.

3. **Maximo Focused**: this community is monitored and will only allow educational resources to be posted. No sales pitches or other related IoT solutions.

4. **Never Miss an Event**: browse all the upcoming Maximo related events/webinars in one single list.

5. **MORE Advantage**: with a large network of certified experts, we are constantly looking for the best resource to answer questions being posted!
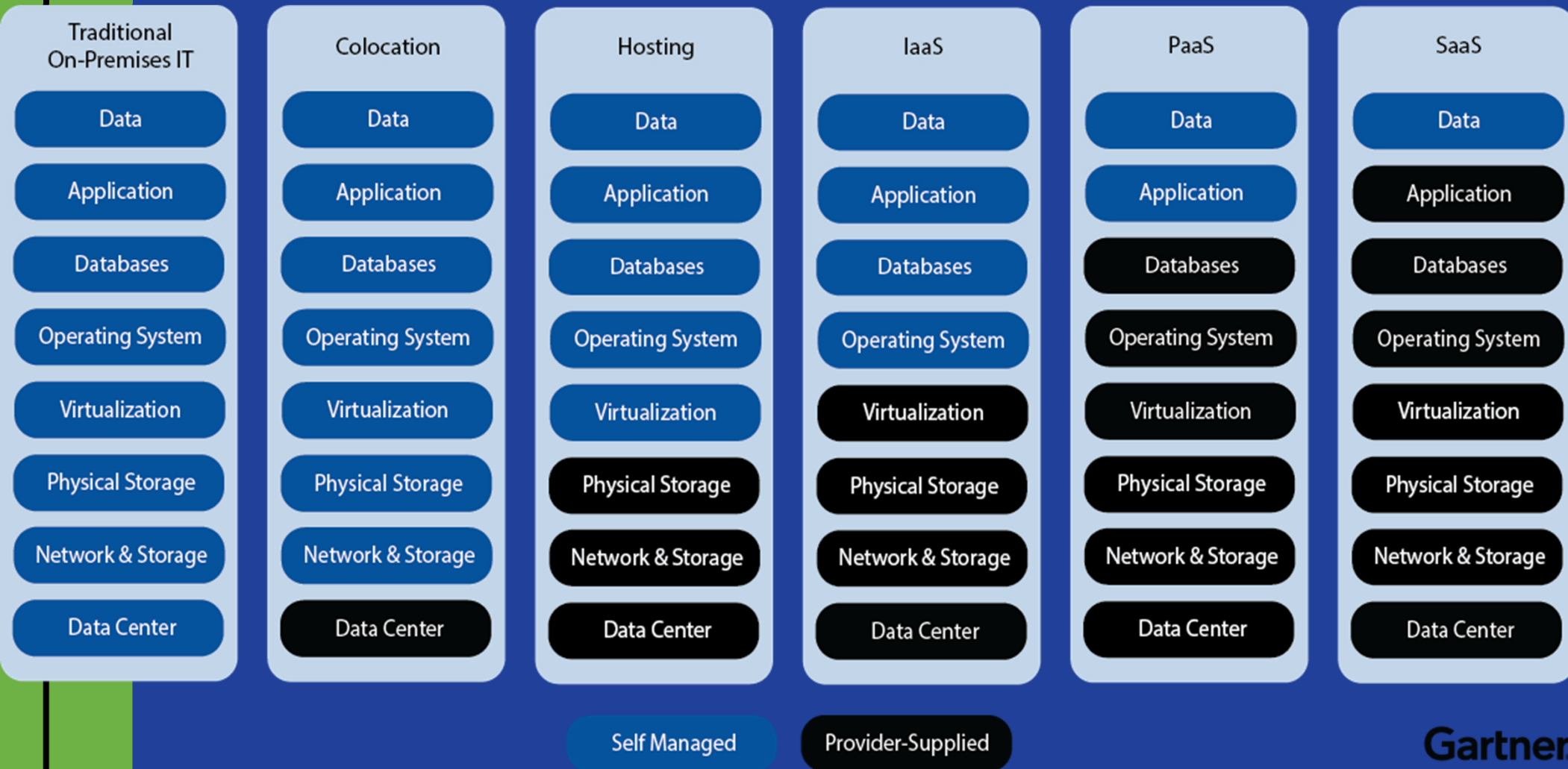
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Once approved, you'll have access to the entire community.

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Agenda

- High Level View
- What can/should move to the cloud
- Authentication & Security
- External Connections
- Reminder on Alteration Standards
- Document your Maximo Alterations
- Integrity Checker – Run it, Read it, Fix it
- Referenceable Links

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What you can do to prepare – High Level View

- Know your implementation
  - ★ Run integrity checker – analyze results
- Get current in version as part of your plan - 7.6.1.2
  - ★ 7.6.0.x EOS is September 30, 2021
- Move to the cloud OR upgrade – not both
- Plan and budget three full migrations
  - Especially true with integrations

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Things that can (and should) move to the cloud

- Maximo application data
  - Full database schema
    - Data/System Configuration/Security/etc.
  - Attachments – may need to grant access for move
- Maximo Customizations
  - Custom Java and controls
  - Custom libraries / images
- Mobile applications with server-side component
  - Maximo mobile applications generally perform better running beside Maximo

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Authentication & Security
- Target 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
- Know your security
  - License Compliance

External Connections

- Integrations – Document them fully
  - Focus on network protocols, ports and data flow direction.
  - Integration authentication and security
    - Document both sides
  - New integrations: strive for HTTPS/REST API w/API Key
    - Secure public internet transmission eliminates the need for site-to-site VPN
  - Don't forget outbound connections for report only usage
    - Outbound reporting for non-Maximo users including regulatory bodies

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Reminder on alteration standards available

- 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

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Document your Maximo Alterations (aka System Design Doc)

- Document Outside Actors
  - Triggers, Stored Procedures
  - External code that updates Maximo data
  - Data 'fixes'
- Leverage standards and the modern approach of Automation Scripts
  - Decrease downtime to update code
  - Decrease downtime to upgrade

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Integrity Check – Run it, Read it, Fix it

- ## Integrity checker
  - Run in 'Report' mode
  - Address errors – especially autokey, database structure and many others. Here are a couple examples:

BMXAA0443E -- Error - BMXAA0538E -- Column BUDGETRULE.BUDGETRULENUM is mapped to AutoKey BUDGETRULE, but the autokey does not exist.

BMXAA0442W -- Warning - BMXAA0498W -- The following columns are defined to be 'same-as' , but have different must-be settings. Go to the Database Configuration application and fix the mismatch.

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Referenceable Links

- Saas is not Hosting, Cloud vs. On Premises…

https://www.projetech.com/maas/saas-vs-hosting

- Maximo Integrity Checker

https://www.ibm.com/docs/en/mam/7.6.1.2?topic=structure-integrity-checker

- Customization Standards

https://tinyurl.com/MaximoCustomizationStandards

- Maximo 7.6.0.x End of Support Announcement

https://tinyurl.com/V7P6EOS

Thanks, Chris Winston (cwinston@projetech.com)