

YOUR INFRASTRUCTURE REQUIREMENTS CHECKLIST

☐ Define your objectives:

- What are your cost reduction objectives?
 - Do you want to reduce upfront capital expenses on infrastructure?
 - Do you want to reduce labor costs for IT management and deployment?
 - Do you want to reduce sprawl and increase efficiency in your data center?
- Are you looking to simplify deployment of new infrastructure, such as hybrid cloud, HPC, analytics or hyperconverged storage infrastructure?
- What are your agility objectives?
- What SLAs (e.g., performance, security, etc.) are required of your infrastructure to meet your business objectives?
- Do you want to tap into the latest technology innovations?
- Are you looking to derive new insights from your data or run advanced database workloads?
- Do you have branch offices that could benefit from streamlining deployment of WAN services?
- Does your organization utilize modeling and simulation software that could benefit from a modern HPC infrastructure?
- Would your organization benefit from a modern HPC infrastructure that could speed genetics research or optimized treatment plans?
- Other business objectives?

☐ Do you want the agility, flexibility and massive scalability of a hybrid cloud?

- Will you use the public cloud for new cloud-native applications?
- Will you use the public cloud for some of your current business applications?
 - Does the public cloud need to support non-cloud-native applications?
 - Are you migrating existing applications to run exclusively on the public cloud and/or are you using the public cloud for scalability to extend your on-premises infrastructure?
- Determine the specific workloads and data you plan to move to the cloud:
 - Map your organization's applications and their dependencies to gain a clear picture of what is currently running in your data center.
 - Create an inventory of your applications that includes: application type and version; operating system; server, storage and networking characteristics; security profiles and rules; interdependencies; performance requirements.
 - Identify workloads that can be moved to the cloud with little re-engineering ("lift and shift") and those that may require substantial re-architecting to migrate.
 - Identify applications that will deliver the greatest business benefits if moved to the cloud—for example, those with unpredictable or highly variable storage and networking requirements.