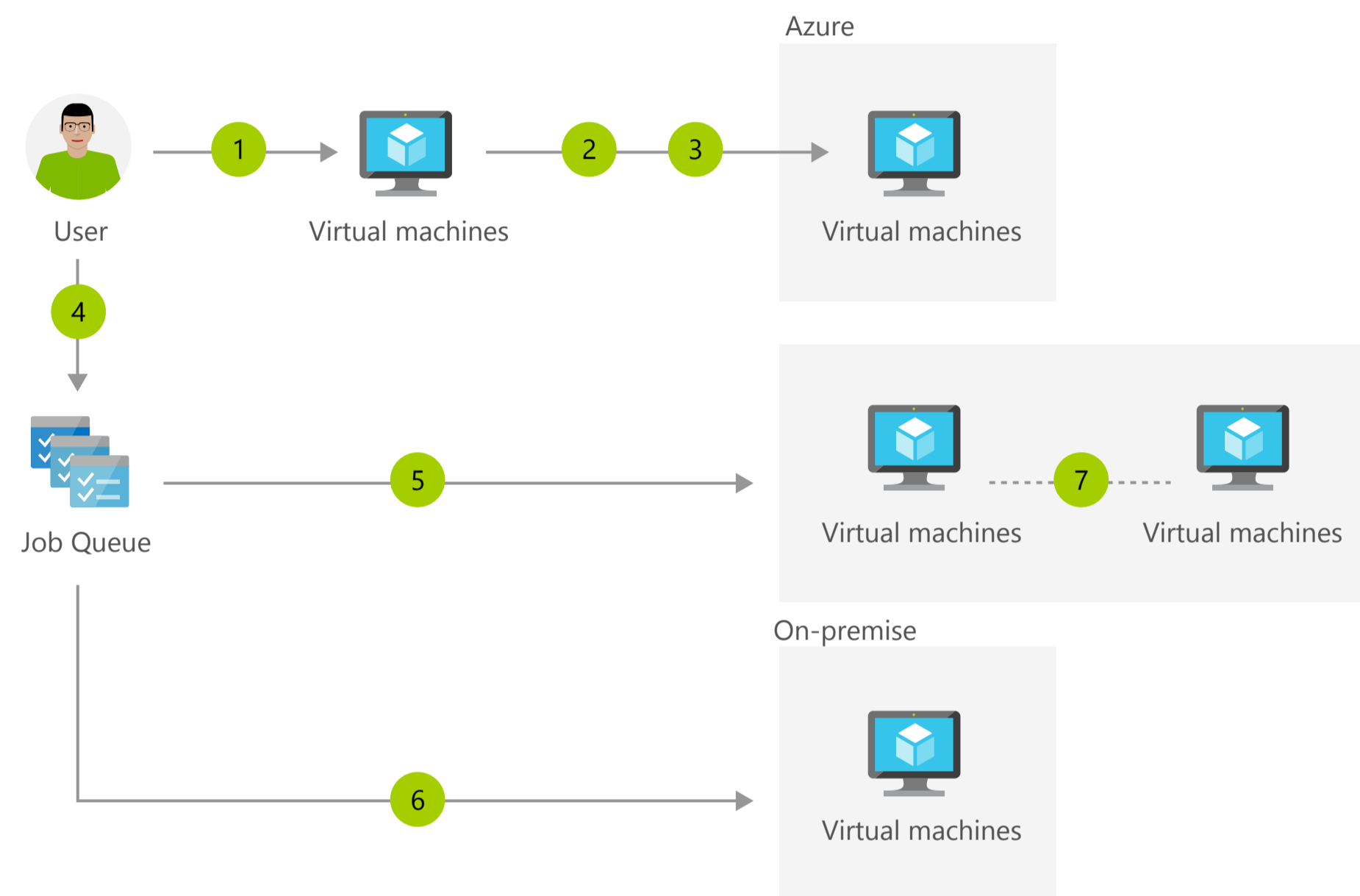


CI/CD for Azure Virtual Machines



Architecture overview

Microsoft HPC Pack is a free high performance computing (HPC) solution built on Microsoft Azure and Windows Server technologies. HPC Pack combines a comprehensive set of deployment, administration, job scheduling, and monitoring tools for your Windows and Linux HPC cluster environment, providing a flexible platform for developing and running HPC applications on premises and in Azure.

This solution shows the process for using HPC Pack to create a hybrid (on-premises and Azure) HPC environment.

- 1 Log into on-premises head node.
- 2 Add Azure compute nodes to the cluster.
- 3 Start the compute nodes.
- 4 Submit jobs to the cluster.
- 5 HPC Pack sends jobs to on-premises and Azure nodes based upon the node group selected.
- 6 Monitor job progress.
- 7 Stop the compute nodes or configure auto-scaling.

Azure products used in this solution

 Job Queue

 Virtual Machines