You've indicated that your PSCs will not be deployed across multiple sites. Server to another PSC to be manual or automated. Manual failover is much simpler with an RTO of about 10 minutes while automated failover is complex to configure and operate with an RTO of < 2 minutes.

The next decision deals with whether you require the failover of vCenter Server with External PSC

Manual failover is accomplished via the cmsso-util command being run on a vCenter Server. It is quite simple to run and can be scripted. The method of failover will be sufficient for most customers. For more information on cmsso-util, ccsu-util, and the repointing process please refer to VMware KB 2113315.

Automated failover requires the use of an approved load balancer. To setup and configure PSCs with a load balancer, please refer to VMware KB 2131191.

Important Maximums
- 10 vCenter Servers per SSO Domain
- 4 Platform Services Controllers per SSO Domain
- 4 vCenter Servers per Platform Services Controller
- 100 re BTI - Recommended maximum latency between PSCs
- 20000 VMs powered on via vSphere 6.0 Server

Useful Links and Information
- In addition to Single Sign-On (SSO), the following services operate on the PSC:
  - Licensing - Centralized management of vSphere licenses
  - Certificate - Certificate authority (VMCA), as well as the certificate store (VECS)
  - Service registration - Where external products such as SRM can be registered at the SSO domain level
  - Roles - Define roles at the PSC layer instead of on each vCenter Server
  - Service registration - Where external products such as SRM can be registered at the SSO domain level
  - Automation - The next decision is to decide if you require multiple PSCs for redundancy to replace vCenter Server down time in the event of a PSC failure. The next decision point is to decide if you require multiple PSCs for redundancy to replace vCenter Server down time in the event of a PSC failure.

Ref: http://vmw.re/emb2ext.

Note that if you choose to use ELM in the future it is recommended you migrate to an external PSC first - http://vmw.re/emb2ext.

Without the need for ELM, an embedded deployment model is sufficient. This means that the Platform Services Controller can be installed on the same machine as vCenter Server down time is completely Note that if you choose to use ELM in the future it is recommended you migrate to an external PSC first - http://vmw.re/emb2ext.

You've indicated that a single external PSC is sufficient for your environment. You'll have the added benefit of ELM but without replication. Note that if you have more than 4 vCenter Servers - you want to participate in ELM, you will have to add PSCs. In vSphere 6.0, there is a maximum of 4 vCenter Servers per PSC.

With vCenter Servers in multiple sites in addition to the requirement for ELM, you must install multiple PSCs in each site. The next decision deals with whether you require the failover of vCenter Server to another PSC to be manual or automated. Manual failover is much simpler with an RTO of about 10 minutes while automated failover is complex to configure and operate with an RTO of < 2 minutes.

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