

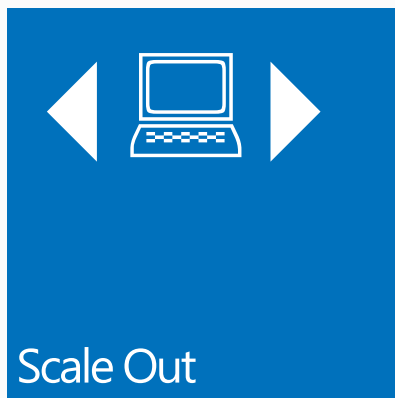
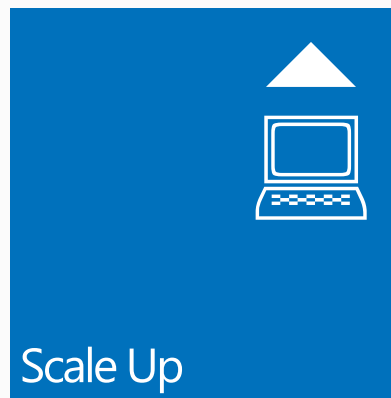
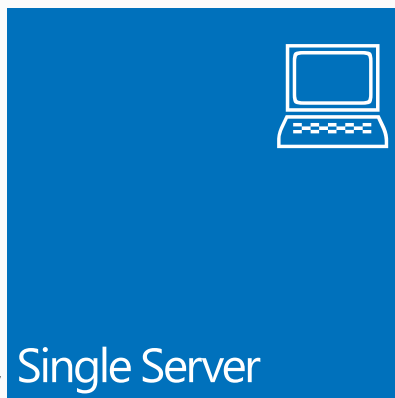
Overview

The Team Foundation Server Capacity Planning introduces common planning steps for hosted and on-premises deployment models such as:

- Single Server
- Multi Server (scale up)
- Multi Server (scale out)

Key planning decisions must be considered, such as:

- Hosted versus on-premises
- Number of users
- Number of Team Project Collections
- Number of Team Projects
- Virtualization



¹Ref: Refers to the typical on-premises hardware specification, as covered in the guidance documentation.

You can plan an on-premises infrastructure based on maximum users, active team project collections and/or team projects

Max Users Planning

| Ref ¹ | Max Users | Deployment Model | |
|------------------|-----------|--------------------------|--------------------------|
| 1 | 250 | | <input type="checkbox"/> |
| 2 | 500 | | <input type="checkbox"/> |
| 3 | 2200 | Multi Server (scale up) | <input type="checkbox"/> |
| 4,5,6 | 3600 | | <input type="checkbox"/> |
| 7 | 3600+ | Multi Server (scale out) | <input type="checkbox"/> |

Team Project Collection Planning

| Ref ¹ | Max Users | Active TPC | |
|------------------|-----------|--------------------------|--------------------------|
| 1 | 250 | 5 | <input type="checkbox"/> |
| 2 | 500 | 10 | <input type="checkbox"/> |
| 3 | 2200 | 75 | <input type="checkbox"/> |
| 4 | | 90 | <input type="checkbox"/> |
| 5 | 3600 | 125 | <input type="checkbox"/> |
| 6 | | 195 | <input type="checkbox"/> |
| 7 | 3600+ | 75 / SQL Server Instance | <input type="checkbox"/> |

Team Project Process Template Planning

| | | | |
|---|--------|------------------------|--------------------------|
| | TPCs = | [] Agile TPs / 1000 | |
| 3 | | + [] Scrum TPs / 1000 | <input type="checkbox"/> |
| | | + [] CMMI TPs / 250 | |

Virtualized Environment

Rule of thumb is to reduce the maximum users by 20% or increase the hardware specifications when considering a virtualized environment.

| | | | |
|---|----------------|-----------------|--------------------------|
| 1 | Max Users | Max Users - 20% | <input type="checkbox"/> |
| 2 | Hardware Specs | Typical + 20% | <input type="checkbox"/> |

References

- Visual Studio ALM Rangers <http://msdn.microsoft.com/en-us/vstudio/ee358786.aspx>
- Ranger Solutions <http://msdn.microsoft.com/en-us/vstudio/ee358787>