This document outlines the architecture design recommendation for the below IT consult. The recommendation is limited in scope to the service catalog offered by Hosting Midrange.

Consult Name: Tanium Server

Consult Requester: Neil Donahue

Consult Description: Server configuration for Tanium Servers

# Problem Statement

            GIS is requiring a pair of physical servers to host the Tanium service.

Product description: The Tanium Architecture - The Tanium Endpoint Platform is the first and only enterprise platform that provides security and IT operations teams with 15-second visibility and control to secure and manage every endpoint on the network, regardless of the size. At the heart of this platform is Tanium’s patented linear-chaining architecture.

The specifications are:

Server Cores             40

Memory                      128 GB

Disk Space                 1.5 TB

# Assumptions

All requirements and information pertaining to the existing environment are accurate.

# Motivation

Improved security.

# Alternatives

No design alternatives provided – standard Liberty Mutual Midrange compute platforms are sufficient to meet all defined requirements.

# Recommendation

Based on stated requirements and conversations with requester and HP, the below server configuration meets the requirements and represents a viable & supportable solution.

|  |  |  |  |
| --- | --- | --- | --- |
| **Line** | **Qty** | **Part Number** | **Description** |
| 1 | 1 | 719064-B21 | HP DL380 Gen9 8SFF CTO Server |
| 2 | 1 | 817965-L21 | HPE DL380 Gen9 E5-2698v4 20 core FIO Kit |
| 3 | 1 | 817965-B21 | HPE DL380 Gen9 E5-2698v4 Kit |
| 4 | 8 | 836220-B21 | HPE 16GB 2Rx4 PC4-2400T-R Kit |
| 5 | 4 | 781516-B21 | HP 600GB 12G SAS 10K 2.5in SC ENT HDD |
| 6 | 2 | 785067-B21 | HP 300GB 12G SAS 10K 2.5in SC ENT HDD |
| 7 | 1 | 719073-B21 | HP DL380 Gen9 Secondary Riser |
| 8 | 1 | 749974-B21 | HP Smart Array P440ar/2G FIO Controller |
| 9 | 2 | 652503-B21 | HP Ethernet 10Gb 2P 530SFP+ Adptr |
| 10 | 1 | 733660-B21 | HP 2U SFF Easy Install Rail Kit |
| 11 | 2 | 720478-B21 | HPE 500W FS Plat Ht Plg Pwr Supply Kit |
| 12 | 1 | 512487-B21 | HPE iLO Adv incl 1yr TSU Track Lic |

# Financial Estimate

Unofficial costs at time of writing put each copy of this server config at US$21,010.00

This is based on initial config estimate from [DL380-2698-Ver1.0](https://itcomposites.lmig.com/Sites/Midrange/InfrastructureLogistics/_layouts/xlviewer.aspx?id=/Sites/Midrange/InfrastructureLogistics/InternalDocuments/Consults/Tanium%20Servers/2016-1006-Liberty-JMcFarland-Tanium-DL380-2698-Ver1.0.xlsx&Source=https%3A%2F%2Fitcomposites%2Elmig%2Ecom%2FSites%2FMidrange%2FInfrastructureLogistics%2FSitePages%2FHome%2Easpx%3FRootFolder%3D%252FSites%252FMidrange%252FInfrastructureLogistics%252FInternalDocuments%252FConsults%252FTanium%2520Servers%26FolderCTID%3D0x012000017AB2D1FCBEA14BAAFCDEAD26D4BBD3%26View%3D%7B9053A31B%2D1238%2D4332%2D9A76%2DB6B0B22D974F%7D&DefaultItemOpen=1&DefaultItemOpen=1)

# Next Steps

* Place requests in the PDP for provisioning a ‘Large’ DL380 gen9 indicating ‘Tanium Server’ config.
* Also needed would be PDP Exceptions for Memory (128GB RAM), Storage (4x600GB SAS HDD in RAID5) & NIC (10Gb)
* Coordinate with Build Engineer when contacted on specifics around build if any.