# Attachment E – Current Technical Environment

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| **Description** | **HCM** | **FSCM** | **CS** |
| Application Version |  |  |  |
| Modules Configured / Licensed | Absence ManagementCompensationeBenefitsEnterprise Learning ManagementePayePerformanceRecruitingSuccession PlanningDirectory InterfacePension AdministrationPayroll InterfaceGlobal PayrollNA PayrollHuman ResourcesTime and LaborHR Help DeskBenefits Administration | Asset ManagementMaintenance ManagementCRM IT Help DeskReal Estate ManagementActivity-Based ManagementPlanning and BudgetingFunds Transfer Pricing Risk-Weighted CapitalGlobal Consolidations ScorecardBillingFinancial AnalyticsCash ManagementGeneral LedgerCFO PortalInternal Controls EnforcereBill PaymentPayablesEnterprise Service AutomationPlanning and BudgetingeSettlementsPurchasingExpensesReceivablesFunds Transfer PricingRisk Management | Academic AdvisementContributor RelationsCampus CommunityFinancial AidCampus Self Service  |
| PUM Version | PUM32 | PUM37 | PUM31 |
| PeopleTools Version | 8.59.18 | 8.59.18 | 8.59.18 |
| Oracle RDBMS | 19C | 19C | 19C |
| SQL Server RDBMS | N/A | N/A | N/A |
| Linux OS | RHEL 7.9 | RHEL 7.9 | RHEL 7.9 |
| Windows OS | Windows server 2022 | Windows server 2022 | Windows server 2022 |

#### Primary Production Site – Allentown, PA



#### DR/Hot Site – Seattle, WA

 

#### Equipment – Primary Production Site

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| **Equipment and Services**  | **Qty.**  |
| **Managed Dedicated Cisco ASA 5512-X Security Plus Firewall** w/ AnyConnect License for up to 250 VPNs 250,000 Max. connections, 1Gbps Overall Throughput, 6x Gb Ports | 1  |
| **Managed Dedicated Virtual Load Balancer** 50Mbps | 1  |
| **Managed Dedicated Virtual Host Server** Dell PowerEdge R430 4-bay (3.5") Chassis, Redundant PS, Quad Port 1GbE NIC; 2 x 10C Xeon® E5-2650 v3 2.3GHz, 25M Cache, Turbo, HT; 192GB RAM; PERC H330 Integrated RAID Controller (RAID 1), 2x1TB SATA Hot-Pluggable HD, RAID-1; Broadcom 5719 Quad Port 1Gb Network Interface Card, QLogic 2562 Dual Port 8Gb Optical Fiber Channel HBA, 1 Gbps - Dual Path Switch Connectivity VMware vSphere Enterprise**‘** | 3  |

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| **VM Name/Role for HCM Software**  | **Qty.**  |
| **Dedicated Virtual Machine (HCM\_CAMP\_001\_APP\_DMO/DEV,** **HCM\_CAMP\_001\_WEB\_DMO/DEV))** 2 vCPU, 8GB RAM, 100GB Storage; Centralized Backups Windows Server 2012 R2 Standard x64 | 2  |
| **Dedicated Virtual Machine (HCM\_CAMP\_002\_APP\_UAT,** **HCM\_CAMP\_002\_WEB\_UAT)** 2 vCPU, 8GB RAM, 100GB Storage; Centralized Backups Red Hat Enterprise Linux 6 | 2  |
| **Dedicated Virtual Machine (HCM\_CAMP\_005\_APP\_TST,** **HCM\_CAMP\_005\_WEB\_TST)** 2 vCPU, 8GB RAM, 100GB Storage; Centralized Backups Red Hat Enterprise Linux 6 | 2  |
| **Dedicated Virtual Machine (HCM\_CAMP\_003\_APP\_PROD,** **HCM\_CAMP\_003\_WEB\_PROD)** 2 vCPU, 8GB RAM, 100GB Storage; Centralized Backups Red Hat Enterprise Linux 6 | 2  |
| **Dedicated Virtual Machine (HCM\_CAMP\_004\_APP\_PROD,** **HCM\_CAMP\_004\_WEB\_PROD)** 2 vCPU, 8GB RAM, 100GB Storage; Centralized Backups Red Hat Enterprise Linux 6 | 2  |
| **Dedicated Virtual Machine (HCM\_CAMP\_005\_WIN\_OPS1\_OPERATIONS,** **HCM\_CAMP\_005\_WIN\_OPS2\_OPERATIONS)** 2 vCPU, 8GB RAM, 100GB Storage; Centralized Backups Red Hat Enterprise Linux 6 | 2  |

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| **VM Name/Role for Financials Software**  | **Qty.**  |
| **Dedicated Virtual Machine (FINANCIALS\_001\_APP\_DMO/DEV,** **FINANCIALS\_001\_WEB\_DMO/DEV)** 2 vCPU, 8GB RAM, 100GB Storage; Centralized Backups Red Hat Enterprise Linux 6 | 2  |
| **Dedicated Virtual Machine (FINANCIALS\_002\_APP\_UAT,** **FINANCIALS\_002\_WEB\_UAT)** 2 vCPU, 8GB RAM, 100GB Storage; Centralized Backups Red Hat Enterprise Linux 6 | 2  |
| **Dedicated Virtual Machine (FINANCIALS\_005\_APP\_TST,** **FINANCIALS\_005\_WEB\_TST)** 2 vCPU, 8GB RAM, 100GB Storage; Centralized Backups Red Hat Enterprise Linux 6 | 2  |
| **Dedicated Virtual Machine (FINANCIALS\_003\_APP\_PROD,** **FINANCIALS\_003\_WEB\_PROD)** 2 vCPU, 8GB RAM, 100GB Storage; Centralized Backups Red Hat Enterprise Linux 6 | 2  |
| **Dedicated Virtual Machine (FINANCIALS\_004\_APP\_PROD,** **FINANCIALS\_004\_WEB\_PROD)** 2 vCPU, 8GB RAM, 100GB Storage; Centralized Backups Red Hat Enterprise Linux 6 | 2  |

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| **VM Name/Role for Ancillary Applications to be Identified**  | **Qty.**  |
| **Dedicated Virtual Machine (HDIR)** 4 vCPU, 4GB RAM, 400GB Storage; Centralized Backups Windows Server 2012 R2 Standard x64 | 1  |
| **Dedicated Virtual Machine (CSGA)** 2 vCPU, 8GB RAM, 100GB Storage; Centralized Backups Windows Server 2012 R2 Standard x64 | 1  |
| **Dedicated Virtual Machine (CSG)** 2 vCPU, 8GB RAM, 250GB Storage; Centralized Backups Windows Server 2012 R2 Standard x64 | 1  |
| **Dedicated Virtual Machine (LDDW)** 2 vCPU, 8GB RAM, 100GB Storage; Centralized Backups Windows Server 2012 R2 Standard x64 | 1  |
| **Dedicated Virtual Machine (BBLN)** 4 vCPU, 16GB RAM, 700GB Storage; Centralized Backups Windows Server 2012 R2 Standard x64 | 2  |
| **Dedicated Virtual Machine (AWEB)** 2 vCPU, 6GB RAM, 650GB Storage; Centralized Backups Windows Server 2012 R2 Standard x64 | 2  |
| **Dedicated Virtual Machine (PCMF)** 2 vCPU, 8GB RAM, 100GB Storage; Centralized Backups Windows Server 2012 R2 Standard x64 | 1  |
| **Dedicated Virtual Machine (ACM)** 2 vCPU, 8GB RAM, 600GB Storage; Centralized Backups Windows Server 2012 R2 Standard x64 | 1  |
| **Dedicated Virtual Machine (LDDW\_DB)** 4 vCPU, 8GB RAM, 400GB Storage; Centralized Backups Windows Server 2012 R2 Standard x64 | 1  |
| **DB Backups, 60-min Incremental, Daily Full** 14 Day Retention; 1TB Quota | 1  |
| **Dedicated Virtual Machine (PCMF\_DB)** 2 vCPU, 8GB RAM, 600GB Storage; Centralized Backups Windows Server 2012 R2 Standard x64 | 1  |
| **DB Backups, 60-min Incremental, Daily Full** 14 Day Retention; 1TB Quota | 1  |
| **Managed Dedicated Database Server**  Dell PowerEdge R730XD 12-bay 3.5" Chassis, Redundant PS, Quad Port 1GbE NIC; 1x 6C Xeon® E5-2620 v3 2.4GHz,15M Cache; 64GB RAM; PERC H330 Integrated RAID Controller (RAID 1), 2x1TB SATA Hot-Pluggable HD, RAID-1; Broadcom 5719 Quad Port 1Gb Network Interface Card, QLogic 2562 Dual Port 8Gb Optical Fiber Channel HBA, 1 Gbps - Dual Path Switch Connectivity, Centralized Backups  **Included Software:** Red Hat Enterprise Linux 6 | 4  |
| **Additional 1TB Backup LUN for Oracle DB Backups**  | 4  |
| **Managed Highly Available Active Directory as a Service**  | 1  |
| **Managed Virtual Storage:** **10TB of Standard Performance Storage** (All VMs and DB Servers)**Management of Backups, including Monitoring and Restorations** **Backup Capacity**: 1TB per server | 1   |
| **Microsoft MS-SQL 2012 Standard Edition - Per Core (2 x 4-Core) LDDW\_DB Server, PCMF\_DB Server**  | 2  |

#### Equipment – DR / Hotsite

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| **Equipment and Services**  | **Qty.**  |
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| **Managed Dedicated Virtual Load Balancer** 50Mbps  | 1  |
| **Managed Dedicated Virtual Host Server** Dell PowerEdge R430 4-bay (3.5") Chassis, Redundant PS, Quad Port 1GbE NIC; 2 x 10C Xeon® E5-2650 v3 2.3GHz, 25M Cache, Turbo, HT; 192GB RAM; PERC H330 Integrated RAID Controller (RAID 1), 2x1TB SATA Hot-Pluggable HD, RAID-1; Broadcom 5719 Quad Port 1Gb Network Interface Card, QLogic 2562 Dual Port 8Gb Optical Fiber Channel HBA, 1 Gbps - Dual Path Switch Connectivity   **Included Software:** VMware vSphere Enterprise  | 3  |

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| **Dedicated Virtual Machine (PCMF)** 2 vCPU, 8GB RAM, 100GB Storage; Centralized Backups Windows Server 2012 R2 Standard x64  | 1  |
| **Dedicated Virtual Machine (ACM)** 2 vCPU, 8GB RAM, 600GB Storage; Centralized Backups Windows Server 2012 R2 Standard x64  | 1  |
| **Dedicated Virtual Machine (LDDW\_DB)** 4 vCPU, 8GB RAM, 400GB Storage; Centralized Backups Windows Server 2012 R2 Standard x64  | 1  |
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| **Managed Virtual Storage:** **10TB of Standard Performance Storage** (All VMs and DB Servers)**Backup Capacity**: 1TB per server  | 1   |
| **Microsoft MS-SQL 2012 Standard Edition - Per Core (2 x 4-Core) LDDW\_DB Server, PCMF\_DB Server** | 2  |