ADVANCED COMPUTING CENTER SERVICES DESCRIPTION NOTE:

Prices are guidelines only - since many projects require a hybrid combination of line items, each project is negotiated and quoted on an individual basis.

Product	Full Product Name	Description of Service	Total Costs	Units
ACT-FUL	FULL ACC Account	This is the full ACC account that provides ACC portal access to a development environment, sessions, open source library, public applications, and includes 5 GB scratch data storage. Accounts are managed by ACC staff, can be charged on a monthly, quarterly or annual basis, and can be prorated to meet short-term requirements for service.	$500.00	Annually
ACT-LDU	Limited Duration ACC Account	ACC services are available to OHSU students that may be taking classes (such as Bioinformatics, Genetics, Proteomics, etc.) that require special computing needs. Fees are prorated and may be billed by the quarter, month, etc.	$42.50	Monthly
ACT-BSC	Basic ACC Account	This account provides access to ACC managed bulk storage such as access to the "Research Drive" or other basic functions for up to 5 users. Remote/offsite access is not included.	$250.00	Annually
ACT-SHR	ACC Shared Resource Account	This account provides access to ACC managed shared resource in combination with an ACC full account..	$25.00	Annually
ACT-SOS	Off-Site Shared Resource Account	This account provides access to ACC managed shared resource in combination with an ACC full account for customers not employed or studying at OHSU.	$120.00	Annually
ACT-CCU	Concurrent Users Account	This account provides concurrent access for 10 users (out of a pool of 100) to an ACC managed shared resource within the OHSU network. Concurrent User Accounts must be existing OHSU accounts from the OHSUM01 Active Directory Domain. (Cost is based on $25 per concurrent account plus $5 per pool account.)	$700.00	Annually
DAS	Direct Attached Storage	Very Limited Amount of storage provided and charged per gigabyte on an ACC server local disk drive. Fees are charged per gigabyte per year and based on storage hardware depreciation costs plus labor for storage management. Depending on the server and type of disk arrays, this cost can range from $.23 - $7.00 per gigabyte per year.	$ Various	Per GB/Yr.
STG	Bulk Storage	Storage on ACC medium performance serial-ATA SAN/NAS disk arrays; data is RAID-5 protected. Fees are charged per gigabyte per year and based on storage hardware depreciation costs plus labor for storage management.	$0.86	Per GB/Yr.
STG-BSC	Server Array - Basic	Storage management fee for a single array in a basic configuration, directly attached to single hosted server. Basic configuration includes only one pool and one RAID group. It does not include quotas or file sharing. Array must have at least RAID 5 redundancy with a hot spare or RAID 6. An array shall be defined at 9 to 12 drives per 2U.	$330.00	Annually
STG-STD	Server Array - Standard	Storage management fee for a single array in a standard configuration, directly attached to single hosted server. Standard configuration may include multiple pools and RAID groups, as well as quotas and one file sharing protocol. Array must have at least RAID 5 redundancy with a hot spare or RAID 6. An array shall be defined at 9 to 12 drives per 2U.	$450.00	Annually
STG-ADV	Server Array - Advanced	Storage management fee for a single array in an advanced configuration, directly attached to one or more hosted servers. Advanced configuration may include multiple pools and RAID groups, as well as quotas and multiple file sharing protocols. Array must have at least RAID 5 redundancy with a hot spare, RAID 6, or be restricted to M-F, 8-5 support. Hybrid/Tiered storage is also included. An array shall be defined as 9 to 12 drives per 2U.	$540.00	Annually
LDAS	Direct Attached Storage * Labor Cost Only	Storage management fee on ACC hosted systems. Fees are charged per gigabyte and based on labor for management of disk/array hardware. (* no depreciation expense.)	$0.05	Per GB/Yr.
TBU	Tape Backup-1 month retention	Data backup on tape, with 1 month retention including weekly off-site rotation. Incremental backups occur daily. Fees are charged per gigabyte per year and based on consumable costs (tapes), maintenance, and labor for storage management.	$0.60	Per GB/Yr.
TBU+	Tape Backup-12 month retention	Data backup on tape, with 12 month retention including weekly off-site rotation. Incremental backups occur daily. Fees are charged per gigabyte per year and based on consumable costs (tapes), maintenance, and labor for storage management.	$1.44	Per GB/Yr.
SVR-SU	Initial Server Setup	Service includes initial consultation, setup/installation/rack mounting, network connection, operating system load, and initial patching for UNIX, LINUX, VMware, and Windows servers.	$250.00	One-time Charge
SVR-HST1	UNIX/LINUX Server Hosting	Hosting services are provided using the ACC managed image for standard operating systems. Service includes operating system patching, routine system administration, console and server account management. Fees are standardized and include rack space charges, network port connection costs, and labor based on daily, weekly, monthly, and annual maintenance, as applicable.	$1,750.00	Annually
SVR-HST2	Windows Server Hosting	Hosting services are provided using the ACC managed image for standard operating systems. Service includes operating system patching, routine system administration, console and server account management. Fees are standardized and include rack space charges, network port connection costs, and labor based on daily, weekly, monthly, and annual maintenance, as applicable.	$1,750.00	Annually
SVR-HST3	Miscellaneous Server Hosting	This service provides hosting for servers that ACC has not yet developed a standard managed image (setup and maintenance requires additional labor). Service includes operating system patching, routine system administration, console and server account management. Fees are not standardized due to the "one off" nature of miscellaneous operating systems and the lack of a developed standard image for these systems. Fees include rack space charges, network port connection costs, and labor based on daily, weekly, monthly, and annual maintenance, as applicable.	$2,550.00	Annually
SVR-HST4	Windows & Red Hat Linux Hosting - Including Hardware	This service provides hosting and equipment for ACC owned servers, deployed using a standard managed image. Service includes operating system patching, routine system administration, backups of standard files and the operating system, console and server.	$2,750.00	Annually
DCL-BSC	Datacenter West Basic Monitoring - Per Rack	Rack co-location in the secure West Campus Datacenter. This service includes DNS/DHCP, network provisioning, environmental & power monitoring, physical security, regular visual monitoring and problem notifications by ACC staff. Datacenter infrastructure and event notifications are communicated as they arise, as are security concerns.	$1,380.00	Annually
DCL-STD	Datacenter West Standard Monitoring - Per Server	Service includes up-time monitoring and automated notifications to a designated contact for servers co-located in the secure West Campus Datacenter. Requires DCL-BSC.	$180.00	Annually
DCL-ADV	Datacenter West Advanced Monitoring - Per Server	Service includes advanced monitoring and notifications to a designated contact for up-time and server/process health. Requires DCL-BSC.	$360.00	Annually

Code	Service	Description	Price	Frequency
DCL-SAB	Datacenter West Basic Monitoring, Stand Alone Server	Server co-location in the secure West Campus Datacenter. This service includes DNS/DHCP, network provisioning, environmental & power monitoring, physical security, regular visual monitoring and problem notifications by ACC staff. Datacenter infrastructure and event notifications are communicated as they arise, as are security concerns. Does not require DCL-BSC. Physical server access must be escorted at the hourly rate of $60, one hour minimum.	$540.00	Annually
SVR-LIC	License Server Hosting	A license server provided by the associated application, or by ACC shared services, hosted, maintained and administered by ACC staff. Fees are based on labor (license costs if required are additional). Requires a hosted server or Cluster Slice (SVR-CLH)	$200.00	Annually
SVR-VMR	VMware Physical Server Hosting	Hosting services are provided using the ACC managed image for standard operating systems. Service includes operating system patching, routine system administration, console and server account management. Fiber channel connection to the ACC SAN is considered an additional service (if required). Fees are standardized and include rack space charges, network port connection costs, and labor based on daily, weekly, monthly, and annual maintenance, as applicable.	$2,000.00	Annually
SVR-VMV-TPL	VMware Template Initial Setup	The service includes initial consultation for template requirements, setup, configuration of the template, installation of the operating system and included components, as well as template preparation/customization.	$200.00	One-time Charge
SVR-VMV-TCL	VMware Server Setup from Template	The service includes the setup and configuration of a VMware server based on a VMware template, as well as any necessary preparation/customization.	$90.00	One-time Charge
SVR-VMV-CST	VMware Virtual Server Session on Customer Cluster	A VMware session provides a "virtual server" on a Windows or Linux based server that is shared with many other sessions. The service includes automated maintenance and system administration of the VMware server. Annual fees are based on system administration labor. Each user may purchase multiple sessions.	$750.00	Annually
SVR-VMV-SU	VMware Virtual Server Initial Setup	The service includes initial consultation for server requirements, setup and configuration of the session, and installation of the operating system and included components.	$200.00	One-time Charge
SVR-VMV	VMware Virtual Server Session	A VMware session provides a "virtual server" on a Windows or Linux based server that is shared with many other sessions. The service includes automated maintenance and system administration of the VMware server. Annual fees are based on system administration labor. SSL certificate costs will be an additional charge if needed. Each user may purchase multiple sessions.	$1,250.00	Annually
SVR-VMA	Advanced VMware Virtual Server Session	A VMware session provides a "virtual server" on a Windows or Linux based server that is shared with a few other sessions. The service includes 100% maintenance and system administration of the VMware server. Annual fees are based on system administration labor. SSL certificate costs will be an additional charge if needed. Each user may purchase multiple sessions.	$1,450.00	Annually
VMV-WST1	Virtual Workstation Hosting	Workstation hosting services are provided using the ACC managed image for standard operating systems. Service includes automated operating system patching, routine system administration, and connectivity support. Software support and operating system license(s) are not included. Fees are standardized and include labor based on daily, weekly, monthly, and annual maintenance, as applicable.	$720.00	Annually
SVR-VUX	UNIX Zones Virtual Server Environment	UNIX Zone services provide a virtualized server environment or "trusted container," that retains resource, fault and security isolation. With zones, there is only one instance of the Solaris kernel running on a machine, even though the applications running in zones believe that each zone is the entirety of the machine with its own complete Solaris operating system. The service includes initial consultation for server requirements, setup and configuration of the session, and installation of the user application. Annual fees are based on percent usage of the physical server, setup and system administration labor (SSL certificate costs are additional if needed). Each user may purchase multiple Zones.	$325.00	Annually
SVR-VUXA	Advanced UNIX Zone, Virtual Server	Advanced UNIX Zone services provide a virtualized server environment or "trusted container," that retains resource, fault and security isolation. With zones, there is only one instance of the Solaris kernel running on a machine, even though the applications running in zones believe that each zone is the entirety of the machine with its own complete Solaris operating system. The service includes initial consultation for server requirements, setup and configuration of the session, and installation of the user application. Annual fees are based on percent usage of the physical server, setup and system administration labor (SSL certificate costs are additional if needed). Each user may purchase multiple Zones. Advanced Zones include extra hardware resources for CPU or I/O intense applications.	$500.00	Annually
SVR-VCS	Cluster Slice	Compute cluster slice, including CPU and memory resources for execution of job controlled processes. Currently 2Cores/2GB RAM.	$500.00	Annually
SVR-CLH	Cluster Head Node Hosting	Service includes operating system patching, routine system administration, console and server account management. Fee includes rack space charges, network port connection costs, and labor based on daily, weekly, monthly, and annual maintenance as applicable. Cluster head node services include cluster specific dns, dhcp, and compute node image management.	$2,750.00	Annually
SVR-CLU	Cluster Node Hosting - Per Server	Cluster compute node includes rack space charges, cluster network connection costs, and labor based on daily, weekly, monthly, and annual maintenance as applicable. Requires that all compute nodes run a single identical image managed from an ACC hosted cluster head node.	$360.00	Annually
SVR-CLE	Cluster Node Hosting - Per Server, Enterprise Cluster	Cluster compute node includes rack space charges, cluster network connection costs, and labor based on daily, weekly, monthly, and annual maintenance as applicable. Requires that all compute nodes run a single identical image managed from an ACC hosted cluster head node. An Enterprise Cluster shall be defined as a cluster consisting of more than 100 nodes.	$210.00	Annually
APP-SU	Application Set Up	Initial set up of a private or web application. Includes initial installation and configuration.	$200.00	One-time Charge
APP-STD	Standard Private Application Hosting	This is a service to host a single instance of a non-public application with a CLI or GUI interface. Fees are based on initial consultation, percent server resource utilization, application installation, and periodic assistance with updates or upgrades.	$300.00	Annually
APP-WEB1	Standard Web Service or Web Application Server Hosting	This is a service to host a standard web or web application server to provide web service. Fees are based on initial consultation, percent server resource utilization, application installation, and periodic assistance with updates or upgrades.	$300.00	Annually
APP-WEB2	NON-Standard Application Hosting	This is a service to host a single instance of a non-public, non-standard or unknown web application. Fees are based on initial consultation, percent server resource utilization, application installation, and periodic assistance with updates or upgrades.	$400.00	Annually
APP-PDB	Private Database Hosting	This service provides hosting of a private and/or proprietary application database. Fees are based on initial consultation, percent server resource utilization, application installation, and periodic assistance with updates or upgrades.	$300.00	Annually

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DB-OPEN-1	Initial setup for Open-Source Database (5-10 Gigabyte Limit)	This service provides initial installation, and limited provisioning of known open-source databases such as MySQL, PostGres, BDB, etc. Fees are based on labor charges.	$200.00	One-time Charge
DB-OPEN-2	Open-Source Database Patch & Update (5-10 Gigabyte Limit)	Services limiteded to patch and update installation. No database management included. Fees are based on labor charges.	$600.00	Annually
DB-OR-S-1	Initial setup for Small Oracle Databases (Less than 10 GB)	Services include initial customer consulting, software installation, database sizing and layout, database creation, and application installation and deployment/ initial performance tuning. Fees are based on labor charges for the listed services plus software costs.	$1,560.00	One-time Charge
DB-OR-S-2	Annual maintenance for Small Oracle Databases (Less than 10 GB)	Services include database backup and recovery and monthly database maintenance and support. Fees are based on labor charges.	$720.00	Annually
DB-OR-M-1	Initial setup for Medium Oracle Databases (Less than 50 GB)	Services include initial customer consulting, software installation, database sizing and layout, database creation, and application installation and deployment/ initial performance tuning. Fees are based on labor charges for the listed services plus software costs.	$2,880.00	One-time Charge
DB-OR-M-2	Annual maintenance for Medium Oracle Databases (Less than 50 GB)	Services include database backup and recovery and monthly database maintenance and support. Fees are based on labor charges.	$1,440.00	Annually
DB-OR-L-1	Initial setup for Large Oracle Databases (Less than 500 GB)	Services include initial customer consulting, software installation, database sizing and layout, database creation, and application installation and deployment/ initial performance tuning. Fees are based on labor charges for the listed services plus software costs.	$4,200.00	One-time Charge
DB-OR-L-2	Annual maintenance for Large Oracle Databases (Less than 500 GB)	Services include database backup and recovery and monthly database maintenance and support. Fees are based on labor charges.	$2,880.00	Annually
DB-OR-VL-1	Initial setup for Very Large Oracle Databases (More than 500 GB)	Services include initial customer consulting, software installation, database sizing and layout, database creation, and application installation and deployment/ initial performance tuning. Fees are based on labor charges for the listed services plus software costs.	$5,520.00	One-time Charge
DB-OR-VL-2	Annual maintenance for Very Large Oracle Databases (More than 500 GB)	Services include database backup and recovery and monthly database maintenance and support. Fees are based on labor charges.	$4,320.00	Annually
DB-SQS-S-1	Initial setup for Small MSSQL Databases Using Enterprise Cluster (Less than 10 GB)	Services include initial customer consulting, database sizing and layout, database creation, and deployment/initial performance tuning. Fees are based on labor charges for the listed services.	$480.00	One-time Charge
DB-SQS-S-2	Annual maintenance for Small MSSQL Databases Using Enterprise Cluster (Less than 10 GB)	Services include database backup and recovery and monthly database maintenance and support. Fees are based on labor charges.	$180.00	Annually
DB-SQE-S-1	Initial setup for Small MSSQL Databases on a Standalone Server (Less than 10 GB)	Services include initial customer consulting, software installation, database sizing and layout, database creation, and application installation and deployment/initial performance tuning. Fees are based on labor charges for the listed services.	$690.00	One-time Charge
DB-SQE-S-2	Annual maintenance for Small MSSQL Databases Standalone Server (Less than 10 GB)	Services include database backup and recovery and monthly database maintenance and support. Fees are based on labor charges.	$360.00	Annually
DB-SQS-M-1	Initial setup for Medium MSSQL Databases (Less than 50 GB)	Services include initial customer consulting, software installation, database sizing and layout, database creation, and application installation and deployment/initial performance tuning. Fees are based on labor charges for the listed services.	$1,800.00	One-time Charge
DB-SQS-M-2	Annual maintenance for Medium MSSQL Databases (Less than 50 GB)	Services include database backup and recovery and monthly database maintenance and support. Fees are based on labor charges.	$720.00	Annually
DB-SQE-L-1	Initial setup for Large MSSQL Databases (Less than 250 GB)	Services include initial customer consulting, software installation, database sizing and layout, database creation, and application installation and deployment/initial performance tuning. Fees are based on labor charges for the listed services.	$2,760.00	One-time Charge
DB-SQE-L-2	Annual maintenance for Large MSSQL Databases (Less than 250 GB)	Services include database backup and recovery and monthly database maintenance and support. Fees are based on labor charges.	$2,160.00	Annually
DB-SQE-VL-1	Initial setup for Very Large MSSQL Databases (More than 250 GB)	Services include initial customer consulting, software installation, database sizing and layout, database creation, and application installation and deployment/initial performance tuning. Fees are based on labor charges for the listed services.	$3,600.00	One-time Charge
DB-SQE-VL-2	Annual maintenance for Very Large MSSQL Databases (More than 250 GB)	Services include database backup and recovery and monthly database maintenance and support. Fees are based on labor charges.	$2,880.00	One-time Charge
DB-MISC	Miscellaneous Database Services	Services include major application upgrades, and major database upgrades for ORACLE and MSSQL databases. Fees are based on time and material (T&M).	$60.00	hourly
URL-PUB	Public URL for ACC Hosted Website	Service provisions and hosts a public URL (available outside OHSU) such as http://<project name>.ohsu.edu Fees include labor for setup and provisioning.	$200.00	One-time Charge
URL-PVT	Private URL for ACC Hosted Website	Service provisions and hosts a private URL (available only inside OHSU) such as https://<project name>.ohsu.edu Fees include labor for setup and provisioning.	$100.00	One-time Charge
ACC-CON	ACC Consulting Service	Computing, programming, and computer engineering services are available on a T&M basis.	$60.00	hourly
SSL-CT	SSL Certificate Implementation Fee.	Labor cost of acquiring or renewing an SSL certificate.	$75.00	One-time Charge
MAINT	Vendor Maintenance Contract	Direct cost of vendor supplied maintenance contract (i.e., server maintenance) plus a nominal fee for ACC oversight. Contracts are managed by ACC staff.	Quote + $60.00	Annually
MAINT-SFT	Vendor Maintenance Contract	Direct cost of vendor supplied software maintenance contract (i.e., license renewal) plus a nominal fee for ACC oversight. Contracts are managed by ACC staff.	Quote + $60.00	Annually
VEND	Vendor Hardware Purchase	Direct cost of vendor supplied Hardware/Equipment.	Vendor Quote	One-time Charge
VEND-SFT	Vendor Software Purchase	Direct cost of vendor supplied Software.	Vendor Quote	One-time Charge
ACC-OCDBA	On Call Database Admin.	After hours on call	$60.00	hourly
ACC-OCDSA	On Call Systems Admin.	After hours on call	$60.00	hourly