macOS 10.15 (Server 5.9) Student Name: OSAMA YAHYA BAHRI Student ID: 201705606 Student Name: Majdi Ahmed Hajury Student ID: 201616244 Course Teacher: Dr. Wazir Zada Khan Group/Section # Subject: Course Code: Learn about the changes included in macOS Server 5.9.(To prevent interruption of services, new versions of Server aren't installed automatically, even when App Store preferences are set to install other updates automatically.) During installation, you might see the message "Server app replacement detected." This is expected. All Server settings and data are preserved during the update, and you can use the Server app to finish setting up previously configured services after the update. What's new in macOS Server 5.9 Profile Manager Profile Manager supports new restrictions, payloads, and commands. For iOS, macOS, and tvOS o Wi-Fi: Configure WPA3 Personal security type For iOS and macOS o Add consent text to manually downloadable and enrollment profiles o Skip Preferred Language and Supported Language panes in Setup Assistant o Configure extensible single sign-on payload For iOS o Skip Dark Mode and Welcome panes in Setup Assistant o Configure new supervised-only restrictions for allowing external drive access in Files app, continuous path keyboards, and turning Wi-Fi off or on o Exchange ActiveSync: Enable Mail, Calendar, Contacts, and Reminders individually for managed accounts o Single App Mode: Configure Voice Control o Refresh enterprise eSIM cellular plans For macOS o Support web-based authentication for Device Enrollment Program o Skip Screen Time and TouchID panes in Setup Assistant o Configure new account configuration options for DEP enrollment o Display Secure Boot and External Boot levels in Device Information o Support Bootstrap Token to enable mobile accounts to sign in on FileVault Macs o Manage Activation Lock: Enable Activation Lock, Clear Activation Lock, automatically fetch Activation Lock Bypass Code on Catalina-enrolled Macs o Configure automatic macOS updates and app updates o Dock: Configure double click, Recents, and tab settings o Configure associated web domains payload o Configure content caching as infrastructure For tvOS o Configure whether device will sleep What's new in macOS Server 5.8 Profile Manager Profile Manager supports new restrictions, payloads, and commands. For macOS o Export a predefined set of device information values for specified devices using a new command-line tool, exportDeviceInfo o Skip True Tone pane in Setup Assistant o Configure new restrictions: screenshot and remote screen observation o Configure Exchange Web Services authentication certificate o Configure Apple Remote Desktop access o Configure managed classes on student Mac computers o Configure Certificate Transparency payload For iOS o Enable or disable Voice and Data Roaming and Personal Hotspot o Configure new restrictions: Personal Hotspot modification (supervised only) o Display phone number, ICCID, and IMEI details of enrolled Dual SIM devices o Configure Certificate Transparency payload For tvOS o Configure Managed Software Updates What's new in macOS Server 5.7.1 Profile Manager o Configure an Apple Business Manager account o Install App Store apps for tvOS o Configure new restrictions, payloads, and commands: For macOS New Restrictions payload settings o Allow proximity based password sharing requests o Allow password sharing o Allow password autofill o Allow software update installation for non-admin users New Exchange payload settings o Use OAuth for authentication New Smart Card payload settings o Require Smart Card o Enable screen saver on Smart Card removal New Passcode payload settings o Force password reset during next user authentication New Security & Privacy payload settings o Show

personal recovery key New Education payload settings o Send to teacher-assigned Mac computers New Xsan payload settings o Ability to configure automatic mounts o Ability to specify Distributed LAN Client mount preferences For iOS New Restrictions payload settings o Allow proximity based password sharing requests (supervised devices only) o Allow password sharing (supervised devices only) o Allow password autofill(supervised devices only) o Force automatic date and time (supervised devices only) o Allow USB restricted mode (supervised devices only) o Allow managed Contacts accounts to write to unmanaged accounts o Allow unmanaged Contacts accounts to read managed accounts o Disable eSIM (supervised devices only) New Mail and Exchange payload settings o Allow a user to enable or disable S/MIME signing o Allow a user to modify the selection of the S/MIME signing certificate o Allow a user to enable or disable S/MIME encryption o Allow a user to modify the selection of the S/MIME encryption certificate New Exchange payload settings o Use OAuth for authentication New Notifications payload settings o Specify whether an app is allowed to send critical alerts o Allow grouped notifications o Show in CarPlay New VPN payload settings for IKEv2 configurations o Ability to specify DNS server addresses o Ability to specify primary domain of the tunnel o Ability to specify DNS search domains o Ability to specify DNS supplemental match domains New Setup Assistant pane Device Enrollment skip options o iMessage & FaceTime and Screen Time o Add Cellular Plan Deprecated payloads o macOS Server Accounts New Commands o Show SIM information For tvOS New Restrictions payload settings o Allow proximity based password sharing requests (supervised devices only) New Commands o Install Updates (only appears in the Action pop-up menu when updates are available on the selected Apple TV or Apple TV devices within a group) macOS Server 5.9 Apple has released macOS Server 5.9, adding new restrictions, payloads, and commands for Profile Manager and now requiring macOS 10.15 Catalina or later. For macOS, the update enables you to create profiles that skip the Screen Time and TouchID panes in Setup Assistant, configure automatic macOS updates and app updates, support Webbased authentication for Device Enrollment Program, and manage Activation Lock settings on Catalina-enrolled Macs. For iOS, you can configure new supervised-only restrictions to allow external drive access in the Files app, continuous path keyboards, and turn Wi-Fi off or on, plus skip various panes in Setup Assistant. ($19.99 new, free update, 66.1 MB, release notes, 10.15+) macOS Server is a product formerly called Mac OS X Server and OS X Server. Mac OS X Server was a stand-alone operating system whereas macOS Server is sold as an operating system add-on (or app) that provides additional server programs along with management and administration tools for iOS and macOS. Prior to version 10.7 (Lion), Mac OS X Server was a separate but similar Unix[3] server operating system from Apple Inc. architecturally identical to its desktop counterpart Mac OS X. With the release of version 10.7 (Lion), Mac OS X and Mac OS X Server were combined into one release. A separate "server" operating system is no longer sold; the server-specific server applications and work group management and administration software tools from Mac OS X Server are now offered as macOS Server, an add-on package for macOS sold through the Mac App Store[4], along with Workgroup Manager 10.8, available from the Apple support web site.[5] These tools simplify access to key network services, including a mail transfer agent, AFP and SMB servers, an LDAP server, a domain name server, and others.9.6.0- P2 9.6.0- P2 9.6.0- P2 9.6.0- P2 9.6-ESVR4-P3 Mac OS X 10.7 (Lion Server)Edit Released: July 20, 2011

In releasing the developer preview of Mac OS X Lion in February 2011, Apple indicated that beginning with Lion, Mac OS X Server would be bundled with the operating system and would not be marketed as a separate product.[10] However, a few months later, the company said it would instead sell the server components as a US$49.99 add-on to Lion, distributed through the Mac App Store (as well as Lion itself).[11] The combined cost of an upgrade to Lion and the purchase of the OS X Server add-on, which costs approximately US$50,[7] was nonetheless significantly lower than the retail cost of Snow Leopard Server (US$499).9.3.6-P2 Mac OS X Server 10.5 (Leopard Server) Mac OS X Server 10.5 (Leopard Server)Edit The Mac OS X Leopard Server running Server Admin on Desktop Software 10.5 10.5.1 10.5.2 10.5.3 10.5.4 10.5.5 10.5.6 10.5.7 10.5.8 10.5.8 2010- 007 PHP 5.2.4 5.2.4 5.2.4 5.2.5 5.2.5 5.2.6 5.2.6 5.2.8 5.2.11 5.2.14 MySQL 5.0.45 5.0.45 5.0.45 5.0.45 5.0.45 5.0.45 5.0.67 5.0.67 5.0.82 5.0.91 Apache 2.2.6 2.2.6 2.2.6 2.2.8 2.2.8 2.2.8 2.2.9 2.2.11 2.2.13 2.2.14 BIND 9.4.1- P1 9.4.1- P1 9.4.1- P1 9.4.1- P1 9.4.2- P1 9.4.2- P2 9.4.2- P2 9.4.3- P1 9.4.2- P3 9.4.2- P3 Mac OS X Server 10.6 (Snow Leopard Server)Edit Released: August 28, 2009 Snow Leopard Server sold for $499 and included unlimited client licenses.[7] New Features: o Full 64-bit operating system.Mac OS X Server 10.0 (Cheetah)Edit Released: May 21, 2001 Mac OS X Server 10.0 included the new Aqua user interface, Apache, PHP, MySQL, Tomcat, WebDAV support, Macintosh Manager, and NetBoot.On appropriate systems with 4 GB of RAM or more, Snow Leopard Server uses a 64-bit kernel to address up to a theoretical 16 TB of RAM.[9] o iCal Server 2 with improved CalDAV support, a new web calendaring application, push notifications and the ability to send email invitations to non-iCal users.Mac OS X Server 10.2 (Jaguar)Edit Released: August 23, 2002 The 10.2 Mac OS X Server release includes updated Open Directory user and file management, which with this release is based on LDAP, beginning the deprecation of the NeXT-originated NetInfo architecture.MySQL v4.0.16 and PHP v4.3.7 are also included The 10.3 Mac OS X Server release includes updated Open Directory user and file management, which with this release is based on LDAP, beginning the deprecation of the NeXT-originated NetInfo architecture.With this version Apple stopped bundling open source services such as Calendar Server, Contacts Server, the Mail Server, DNS, DHCP, VPN Server, and Websites with macOS Server.[17] Included services are now limited to Profile Manager, Open Directory and Xsan.[17] macOS 10.14 (Server 5.8)Edit Released: March 25, 2019.It included services and applications for file sharing, sharing contact information and calendars, schedule events, send secure instant messages, conduct live video conferences, send and receive email, contribute to and comment in wikis, publish a company-wide blog, produce and distribute podcasts, and set up websites.MySQL v4.0.16 and PHP v4.3.7 are also included On August 10, 2006, Apple announced the first Universal Binary release of Mac OS X Server, version 10.4.7, supporting both PowerPC and Intel processors.An OS X Server package was available for Mountain Lion from the Mac App Store for US$19.99, which included a server management application called Server, as well as other additional administrative tools to manage client profiles and Xsan.[13][14] Mountain Lion Server, like Lion Server, was provided with unlimited client licenses, and once purchased could be run on an unlimited number of systems.Podcast Composer creates a workflow to add titles, transitions and effects, save to a desired format and share to wikis, blogs, iTunes, iTunes U, Final Cut Server or Podcast Library.o Mobile Access Server enables iPhone

and Mac users to access secured network services, including corporate websites, online business applications, email, calendars and contacts.Without requiring additional software, Mobile Access Server acts as a reverse proxy server and provides SSL encryption and authentication between the user's iPhone or Mac and a private network.There is no separate server edition of Mavericks, just as there was no separate server edition of Mountain Lion.[15] There is a package, available from the Mac App Store for $19.99, that includes a server management app called Server, as well as other additional administrative tools to manage client profiles and Xsan,[15] and once purchased can be run on an unlimited number of machines.For macOS Server 5.3.1: Software 10.12.6 Apache 2.4.28 BIND 9.9.7–P3 PHP 5.6.30 Postfix 3.1.6 PostgreSQL 9.4.6 Python 2.7.10 OpenLDAP 2.4.28 macOS 10.13 (Server 5.4)Edit Released: September 25, 2017.Software 10.13.5 10.13.6 Apache 2.4.33 2.4.33 BIND 9.9.7–P3 9.9.7–P3 PHP 7.1.16 7.1.16 Postfix 3.2.2 3.2.2 PostgreSQL 9.4.15 9.4.15 Python 2.7.10 2.7.10 OpenLDAP 2.4.28 2.4.28 macOS 10.14 (Server 5.7)Edit Released: September 28, 2018.Software 10.11.0 10.11.1 10.11.2 10.11.3 10.11.4 10.11.5 10.11.6 Apache 2.4.16 2.4.16 2.4.16 2.4.16 2.4.18 2.4.18 2.4.18 BIND 9.9.7– P2 9.9.7– P2 9.9.7– P3 9.9.7– P3 9.9.7– P3 9.9.7– P3 9.9.7– P3 PHP 5.5.27 5.5.29 5.5.30 5.5.30 5.5.31 5.5.34 5.5.36 Postfix 2.11.0 2.11.0 2.11.0 2.11.0 2.11.0 2.11.0 2.11.0 PostgreSQL 9.3.9 9.3.9 9.3.9 9.3.9 9.4.5 9.4.5 9.4.5 Python 2.7.10 2.7.10 2.7.10 2.7.10 2.7.10 2.7.10 2.7.10 OpenLDAP 2.4.28 2.4.28 2.4.28 2.4.28 2.4.28 2.4.28 2.4.28 OS X 10.11 (Server 5.1)Edit Released: March 21, 2016.Software 10.12.0 10.12.1 10.12.2 10.12.3 10.12.4 10.12.5 10.12.6 Apache 2.4.23 2.4.23 2.4.25 2.4.25 2.4.25 2.4.25 2.4.26 BIND 9.9.7– P3 9.9.7– P3 9.9.7– P3 9.9.7– P3 9.9.7– P3 9.9.7– P3 9.9.7– P3 PHP 5.6.24 5.6.25 5.6.27 5.6.28 5.6.30 5.6.30 5.6.30 Postfix 3.1.1 3.1.1 3.1.1 3.1.1 3.1.1 3.1.1 3.1.1 PostgreSQL 9.4.6 9.4.6 9.4.6 9.4.6 9.4.6 9.4.6 9.4.6 Python 2.7.10 2.7.10 2.7.10 2.7.10 2.7.10 2.7.10 2.7.10 OpenLDAP 2.4.28 2.4.28 2.4.28 2.4.28 2.4.28 2.4.28 2.4.28 macOS 10.12 (Server 5.3)Edit Released: March 17, 2017.Many common network services are provided such as NTP, SNMP, web server (Apache), mail server (Postfix and Cyrus), LDAP (OpenLDAP), AFP, and print server.Many common network services are provided such as NTP, SNMP, web server (Apache), mail server (Postfix and Cyrus), LDAP (OpenLDAP), AFP, and print server.Lion Server includes new versions of iCal Server, Wiki Server, and Mail Server.[12] More significantly, Lion Server can be used for iOS mobile device management.There is a package, available from the Mac App Store for $19.99, that includes a server management app called Server, as well as other additional administrative tools to manage client profiles and Xsan, and once purchased can be run on an unlimited number of machines.Apple File Services, Macintosh Manager, QuickTime Streaming Server, WebObjects, and NetBoot were included with Mac ??? OS X Server 1.0 – 1.2v3.4.4.9 MySQL