Microsoft on-premise Offerings

[** indicates it is either just announced or in Preview]

Last updated: 15 Nov 2020

End User Compute

Microsoft Office Apps - Outlook, Excel, Word, PowerPoint, OneNote, Visio, Sway, Teams, more.. OneDrive for Business & Consumer, Skype

- Microsoft Office Apps
- Store Apps
- Edge Browser
- 'S' Mode

User Experience & App Virtualization
- ReFS
- Windows Auto pilot
- Cortana
- Unified Write Filter
- Kiosk Mode
- Biometric (Windows Hello)
- Bitlocker
- Store for Business

- Foldable phones & Tablets
- Android OS
- Dual Screen

- Media Transfer Protocol
- OCR
- Powershell
- USB
- Miracast
- Bluetooth
- UEFI Boot
- AllJoyn
- Flash Mode

- Cloud security
- Certified Chips
- OS for Hardware Partner Devices
- IOT Security

Surface Devices & Accessories
- Surface Laptop 3
- Surface Laptop Go
- Surface Book 3
- Surface Pro 7 & X
- Surface Hub 2S
- Surface Studio 2
- Surface Go 2
- Surface Duo, Surface Neo **

HoloLens 2
- HoloLens 2 Device
- Dynamics 365 Assist
- Development Edition

Kinect DK Sensor

XBox
- XBox Series X
- XBox Series S
- Controllers, Headsets

Windows 10 - x86, x64, ARM64 | Windows 10 on Mac | Windows 10X | Windows 10 IoT Core - ARM, x86, x64 | Azure Sphere OS | Microsoft Hardware | Partner Hardware

Immersive VR Headsets

Platform & SDK

Windows Store for Consumer / Business

Visual Studio Code, Visual Studio 2019, Visual Studio for Mac, Github Codespaces, Xamarin Studio

Microsoft Development Platform
- Web Apps, Web APIs, Console Apps, Windows Services, Desktop Apps, Microservices, Cloud Native Apps, Gaming, IoT, Machine Learning, etc
- ASP.NET Web, Mvc, Web API, SignalR, Blazor
- .NET Framework 4.6.1
- ML.NET, .NET for Apache Spark
- Powershell
- .NET Core 3.0, ASP.NET Core
- Mono
- IIS 10.0
- .NET 5
- C#, F#, VB
- Windows Server 2019

Windows Tools & Platform
- Windows Subsystem for Linux (WSL)
- Windows Package Manager
- Windows Containers
- Windows PowerToys
- Windows Mixed Reality
- Windows Terminal

Windows 10 App Platform
- Progressive Web Apps
- Project Reunion **
- Windows Forms
- Win UI Library
- WPF
- Uno Platform
- UWP
- Win32

Windows IoT App Platform
- Enterprise Manageability & security for IoT Devices
- Background Apps
- Windows Containers
- Win32 Console Apps
- Windows Server IoT 2019
- UWP Apps
- Windows 10 IoT

Windows 10X Development
- Hybrid Apps for Android - Cordova, Xamarin, React Native, Unity
- Win 32 Apps, UWP Apps, Dual Screen Apps
- Windows 10X Emulator
- Windows 10X SDK Insider Preview

Mobile Dev frameworks on Windows
- Hybrid Apps for iOS, Android - Cordova, Xamarin, React Native, Unity
- Native Apps for iOS - Objective C, Swift
- Native Apps for Android - Java, Kotlin

Xbox Games Development
- Windows UWP Apps & Games
- Xbox Dev Kit

Microsoft Quantum
- Quantum Development Kit
- Q#, Python, .NET

Windows AI
- Direct Machine Learning (DirectML)
- Windows Vision Skills
- Windows Machine Learning (WinML)

Productivity & Collboration

Microsoft Project, Project Web App, Microsoft Teams, Office Web Apps, Visual Studio 2019

Microsoft Project Server 2019
- Financial Management, Portfolio Analytics & Selection, Issue & Risk Management, Reporting & Business Intelligence
- Work Management, Demand Management, Schedule Management, Resource Management, Time & Task Management, Program Management

Microsoft Sharepoint Server 2019
- Hybrid for Sharepoint, Metadata planning, eDiscovery, Records Management, Workflows, Onedrive for Sharepoint
- Document Center, Team Sites, Collaboration, Digital Asset Management, Enterprise Search

Office Online Server
- Browser based Office Excel, Word, Powerpoint, Onenote functionality, co-authoring documents
- Integrates with SharePoint Server, Exchange Server

Exchange Server 2019
- Collaboration - Site Mail Boxes, Shared Mail Boxes, Public Folders, Distribution Groups
- Data loss prevention (DLP), Information Rights Management, Journaling, Mail flow Rules, S/MIME
- In-place archiving, eDiscovery, Holds, Messaging Records Management (MRM), Auditing, Exchange Server Hybrid

Integration Services

Biztalk Server 2020
- **Business to Business Messaging:** Trading Partner Management, EDI, AS2 & EDIFACT Standards support
- **Enterprise Application Integration:** Orchestration, Messaging & Transformation, Adapters to different Systems
- **Business Activity Monitoring**
- **ESB Toolkit**
- **Adapters & Accelerators:** Adapter Pack, Adapters for Enterprise Applications, Adapters for Fileact, HL7, Rosettanet, SWIFT

Host Integration Server 2020
- Integrate IBM Host Systems, Programs, Network, Messages and data with Modern Systems
- Enterprise Single Sign-on

Data & AI

SQL Server Management Studio, Azure Data Studio, SSRS Report Builder, Power BI Report Builder, Power BI Mobile App,

Machine Learning Server 9.4.7
- Train, Deploy and consume Models
- Remote execution from Clients
- Host on Windows or Linux
- R Server
- Python Server

SQL Server 2019
- **Integration Services:** Tools and Objects to move, copy and Transform Data. Data Quality Service
- **Analysis Services:** Vertipaq Engine, Semantic Data Model for BI, Support for Tabular & Multi Dimensional Models, Data Mining, Power Pivot
- **Reporting Services:** Create, Manage & Deploy Tabular, Matrix, Graphical & Free form Reports
- **Machine Learning Services:** Execute R & Python on Relational Data, Data Exploration & Modeling, Train, Score, Deploy & consume Models
- **Big Data Cluster:** Scalable clusters that run SQL Server, Spark & HDFS Containers on Kubernetes, Combine Relational & Big Data, Virtualize data with Polybase
- **Database Engine:** RDBMS, Store, process & secure data, Data Replication, Change Tracking, Full Text Search, XML and Json data support, SQL Graph, Spatial Data, Polybase for external data
- Azure Arc enabled SQL Server
- Containers
- Host on Windows Server or Linux
- **Master Data Services:** Support for data models for multiple domains, hierarchies, transactions, data versioning, Business Rules

Analytics Platform System 2016 AUS
- SQL Server Parallel Data Warehouse (PDW)
- MPP Data Warehouse, Polybase
- Partner provided Hardware Appliance

Power BI Report Server
- Power BI Reports, Paginated Reports, Mobile Reports, KPI
- Cross Device Consumption
- Create, Publish & Distribute Reports

Security

**Microsoft Tunnel **
- VPN Gateway Solution, on prem access for Android Devices

Operations

Visual Studio Subscriptions

Docker Desktop for Windows

Microsoft Endpoint Manager
- Microsoft Endpoint Configuration Manager
- Deploy and Manage Clients, Hardware & Software Inventory, Asset Intelligence, Upgrade Clients, Remote Control
- OS Deployment, App Management, Real time Management, Monitor Infrastructure, Backup & Recovery, Community Hub, Device Compliance, Software updates

System Center 2019
- **Orchestrator:** Automate jobs and processes in the Data Center with Runbooks, across Platforms, Standardise best practices for Efficiency, Connect Systems across Vendors
- **Service Manager:** Automate Service Management. Built in processes for Incident & Problem Resolution, Change Control and Asset Life Cycle Management
- **Service Management Automation**
- **Service Provider Foundation**
- **Virtual Machine Manager:** Configure, transform and manage Datacenter components, like Virtualization Servers, Networking components, Storage. Manage Hyper-V and VMWare Virtualization Hosts and Clusters
- **Data Protection Manager:** Application aware backup, File backup, System backup, Hyper-V Backup. Upload to Disk, Azure or Tape
- **Operations Manager:** Monitoring for Data Center & Cloud, Infrastructure monitoring. Agents and Management Packs for different Services

Security

Microsoft Identity Manager 2016 SP1
- Manage Users, credentials, Access, Policies in an Organization, Privileged Access Management, Identity Life cycle management across heterogenous Systems

Microsoft Defender for Endpoint
- Threat & Vulnerability Management, Attack Surface Reduction, Endpoint Detection & Response, Automated investigation & Remediation, Security Score for Devices, Access to Threat Experts

Compute

Visual Studio Code
- IDE - Windows, Mac, Linux
- Visual Studio Dev Containers
- Marketplace Extensions
- Develop for On Premise or Azure
- One Click Deploy to Azure

Windows Server 2019
- **Hybrid Capabilities with Azure** Storage Migration, File Servers sync, System Insights, Azure Network Adapter, VM Protection
- Manage Windows and Linux Containers, Server Core Features on demand, Kubernetes Platform Support, Windows Subsystem for Linux, Hyper-V Isolation, Azure Service Fabric for Windows, PowerSell 5.1 and PowerShell DSC, HPC Pack
- **OS for Hyper converged Infrastructure(HCI)** Unified Management - Windows Admin Center, Storage Spaces, Enhanced Storage Spaces Direct (S2D), Storage Replica, Data Deduplication, Storage Health & Cluster wide Monitoring, Cluster Sets, Rolling Upgrades, Site aware Failover Clusters, Persistent Memory, Support for Linux & FreeBSD Guests, Hot add of Disk, Memory & Network, Virtual Networking, Software Load Balancer, Virtual Network Peering, Hybrid SDN Gateways, Software Defined Networking (SDN) with IPv4/6
- **Windows Server vNext Preview Builds**
- **Identity & Access Management:** Active Directory Account, Dynamic Access Control, Windows Hello for Business, AD Domain Services, AD Federation Services, AD Rights Management Services, Securing Privileged Access
- Software Defined Networking, Shielded Virtual Machines - Windows & Linux, Cluster Hardening wihout NTLM, Credential Guard, Remote Credential Guard. AppLocker, BitLocker, Windows Information Protection

Security

DevOps

GitHub Enterprise
- **Marketplace & Integrations:** GiHub Apps, Pre-Receive Hooks
- **Repositories:** Public & Private
- **Code Workflow:** GitHub Actions, GitHub Packages, Code Reviews, Pull Requests, Protected Branches, Scheduled Reminders, Automatic Code Review Assignment

Industry Solutions

Dynamics 365 Business Central
- Small & Mid size companies - Wholesale and Professional Services Industries
- Finance, Sales, Purchasing, Business Intelligence, Inventory, Project Management, Planning, Fixed Assets, Human Resources, Relationship Management, manufacturing, Warehouse Management, Service Management

Dynamics 365 Finance & Operations
- **Supply Chain Management:** Cost Management, Inventory Management, Master Planning, Procurement & Sourcing, Product Information Management, Production Control, Sales & Marketing, Transportation Management, Warehouse Management
- **Finance:** Accounts Receivables, Accounts Payable, Budgeting, Cash & Bank Management, Cost Accounting, Expense Management, Financial Reporting, Fixed Assets, General Ledger & Financial Reporting, Project Management & Accounting

Dynamics 365 Customer Engagement Version 9
- Sales, Customer Service, Marketing, Field Service, Project Automation

DevOps

Azure DevOps Server 2020
- **Repository, Artifacts, Test Plans, Wiki, Reporting**
- **Releases:** Manage Release Pipelines, YAML Support, Visualize Progress, Release Gates to Phase Deployment, Deployment Groups, Continuous Deployments, Pull Request based Triggers
- **Builds:** Manage Multi stage Build Pipelines, YAML Support, Build Completion Triggers, Build Status Badges
- **Azure Boards:** Hubs for Work Items, Sprint and Queries, Boards and Backlogs, Sprint Planning, Areas & Iterations, Card Annotations

GitHub Enterprise
- **Collaboration:** Collaborators for Public & Private Repositories, Issues, Project boards, Milestones, Team Discussions, Org & Team Management, Pages and Wikis, Repo Insights

Marketplace Offerings

Microsoft AppSource:

Dynamics 365 Apps

Power Platform: Powerapps App, Power BI Custom Visuals, Power BI Apps

Office Add-Ins: Add-Ins for Excel, Word, PowerPoint, OneNote, Project, SharePoint

Teams App: Tabs, Messaging Extensions, Bots, Webhooks & Connectors

GitHub Marketplace

Apps, Actions

Visual Studio Marketplace

Extensions for Azure DevOps

Azure Marketplace

Bing / Cogntive Search APIs

Partner & Community provided Solutions

Public & Private Marketplace

Microsoft Offerings in the Cloud

Last updated: 15 Nov 2020

Line of Business Solutions

Marketing Solutions: APIs to manage advertising, shares and Social streams, raise brand awareness, build relationships and drive Leads

Learning Solutions: Online learning platform with content from Lynda.com

Compliance Solutions: Monitoring, archiving and management of communications for Enterprises in regulated industries

Consumer Solutions: APIs to Sign in with Linkedin, Share, Plugins for consumption in web sites

Sales Solutions: Sales Navigator, social selling tool that helps leverage Customer Relationships for increased Sales performance

Talent Solutions: Talent Hub Integration, Recruiter System Connect, Easy Apply, Premium Job Postings

Linkedin

Business Central, Commerce, Connected Store, Customer Insights, Customer Service, Customer Service Insights, Customer Voice, Field Service, Finance, Fraud Protection, Guides, Human Resources, Talent, Layout, Marketing, Product Insights, Product Visualise, Project Operations, Remote Assist, Sales Enterprise, Sales Insights, Sales Professional, Supply Chain Management, Mixed Reality

Dynamics 365 - Gen Next ERP and CRM Solutions

Microsoft Clarity: Free Analytics tool to help understand user behavior to improve web site user experience

Microsoft Advertising: A pay-per-click advertising system. Integrates with Microsoft Search to help reach Potential Customers

Microsoft Bing: Search Engine - images, videos, geospatial data support, Maps, etc

APIs: Bing Ads API, Hotel API, Content API

Advertising, Search

Business Productivity Solutions Platform

Power BI: Generate Insights and value from Data. Collection of services, Apps and Connectors to build interactive Reports, Dashboards, Power Query

Power Virtual Agents: Build chat bots that can be embedded into Web Sites

Microsoft Dataverse: (formerly Common Data Service) Data Service to build Enterprise grade apps, provides a ready to use Data schema across industry verticals

Power Apps: Low code Apps that help modernise and automate business processes, accessible from a variety of devices

Power Automate: Automate workflows between Apps and Services through numerous Line of Business Connectors

AI Builder: Enhance Apps and Business processes with AI, without the need for coding or Machine Learning skills

Power Platform

Personal Digital Assistant : Keep users informed and productive across devices & platforms. **Skills:** Defines Tasks that Cortana can accomplish. Use skills to let users interact with Customer Solutions, using speech or typed text. **Cortana Skills Kit:** Develop custom skills for Cortana, integrate with Bot Frameworks. Broadcast audio to high fidelity devices.

Cortana Skills

Business Productivity Solutions

Time Sheeting, Resource Planning, Project planning, monitoring, Reporting, Workflows for Demand Management, Portfolio Analysis

Project & Portfolio Management on the Web

Microsoft 365 Project Online

Task Management, Board View, Teams & Assignments, Gantt Chart View, Task Dependencies, Scheduling & roadmaps, Built on Power Platform

Cloud based Work & Project Management

Project for the Web

Business Productivity Solutions

Email & Calendar : Exchange, Outlook, Bookings

Meetings & Voice: Microsoft Teams

Social, Collaboration & Intranet: SharePoint, Yammer, Delve, Sway

Task Management: ToDos, Project, Planner, Power Automate

Identity & Access Management: Windows Hello, Credential Guard, Direct Access, Azure Active Directory Premium

Files & Content: Microsoft Stream, OneDrive for Business, Sway, Lists

Information Protection: Data Loss Protection, Windows Information Protection, BitLocker, Bitlocker To Go, Microsoft Cloud App Security, Office Message Ecryption

Microsoft 365 Apps: Excel, Word, PowerPoint, OneNote, Teams, Project, Publisher, Outlook, Visio

SharePoint Online : Intranet Sites, Search, Content Publishing, Document Libraries, Custom Lists, Business Connectivity Services

Advanced Analytics : My Analytics, Power BI

Device & App Management: Microsoft Intune, Windows AutoPilot, Device Health

Threat Protection: Microsoft Advanced Threat Analytics and Threat Protection, Windows Defender Antivirus and Application Guard, Device Guard

Compliance: Retention policies, Sensitivity Labels, eDiscovery, Content Search, Email archiving, Customer Lockbox, Privileged Access Management

Microsoft 365 for Business and Enterprise

Productivity: Excel, Word, PowerPoint, OneNote, Outlook, Sway, Access, OneDrive, ToDos, Family Safety, Skype, Calender, Power Automate, Sway, Forms

MSN, Microsoft Bing, Office Apps on the Web

XBox Live: Multi user online Gaming, Game Pass

Microsoft 365 home Subscriptions & Consumer offerings

Developer Services

SKUs: Free, Teams, Enterprise and GitHub One

Collaboration: Issues, Project Boards, Milestones, Team Discussions, Organization & Team Management, Pages & Wikis, Repo Insights

Marketplace & Integrations: GitHub Apps & pre receive Hooks

Code Management: Public & Private Repositories

Code Workflow: GitHub Actions, Packages, PRs, Code Reviews &and Assignments

GitHub

Azure Boards - Plan, track and discuss Work Items **Azure Pipelines:** Build, Test and Deploy with Continuous Integration & Deployment Pipelines **Azure Repos:** Cloud hosted private Git Repos for Collaboration, Pull Requests, Policies **Azure Test Plans:** Test & ship code with manual and automated tests **Azure Artefacts:** Create, host and share packages with Team Members, and use in Pipelines. **Marketplace for Extensions**

Azure DevOps

Build Service: Build Native Apps and hybrid Apps for multiple device platforms - Android, iOS, MacOS, UWP Apps, using Cloud infrastructure for build, configuration

Test: Test Automation Service for Native & Hybrid Apps (Test Cloud). Run Tests across hundreds of physical devices models and Operating Systems

Distribute: Quickly release Builds to End user devices. Manage App Distributions across a variety platforms from a single Management Interface, support for Beta App Tester Distribution

Analytics: Understand End user behavior when using theApp

Diagnostics: Get detailed crash, error reports from all devices

Visual Studio App Center (formerly Xamarin Test Cloud)

Cloud platform Offerings

Containers: Kubernetes Services, Container Instances, Service Fabric, Red Hat OpenShift, Container Registry, Web App for Containers

Database: Cache for Redis, Cosmos DB, Database for MariaDB, Database for MySQL, Database for Postgres, SQL Database, SQL Managed Instance, Table Storage

Web Applications: Web Apps & API Apps, Static Web Apps, SignalR Service, API Management, Content Delivery Network, Bot Service, Cognitive Search

Communication: Communication Services, Notification Hub

Blockchain: Blockchain Service, Blockchain Workbench

Anaytics Analysis Services, Data Explorer, Databricks, Stream Analytics, Synapse Analytics Workspace, Data Catalog, Data Lake Analytics, HDInsight, Event Hubs, Log Analytics, Power BI Embedded

AI Machine Learning: R Server for HDInsight, Machine Learning

Compute : Virtual Machines, VM Scalesets, Dedicated Hosts, Batch, Cycle Cloud, VMWare Solution, Cloud Services, App Service, Functions, Spring Cloud

Storage : Blob Storage, Queue Storage, Files, Data Lake Store, Disk Storage, Data Share, NetApp Files, vFXT for Azure, HPC Cache

Integration: Event Grid, Logic Apps, Service Bus, Data Factory

Mixed Reality: Digital Twins, Spatial Anchors, Remote Rendering, Kinect DK

AI Machine Learning: R Server for HDInsight, Machine Learning, Open Datasets, Cognitive Services, Microsoft Genomics, Microsoft Project Bonsai, Media Services Video Indexer

Networking: Front Door, Application Gateway, Load Balancer, Traffic Manager, Firewall, Firewall Manager, DNS, ExpressRoute, VPN Gateway, Virtual WAN, Internet Analyzer, Virtual Network, Private Link, Bastion

Internet of Things: IoT Central, IoT Hub, Maps, RTOS, Sphere, Time Series Insights

Operations: Automation, Advisor, Backup, Blueprint, Cloud Shell, Lighthouse, Managed Applications, Monitor, Policy, Resource Mover, Service Health, Site Recovery, Cost Management, Network Watcher

Migration: Database Migration Service, Migrate, Data Box

Identity: Active Directory, AD Domain Services, AD External Identities

Security: Information Protection, Defender for IoT, DDoS Protection, Dedicated HSM, Defender, Sentinel, Security Center, key Vault, Web Application Firewall

Media: Azure Media Services

Groundstation: Azure Orbital

Hybrid: Azure Arc

Developer Tools: App Configuration, Dev Spaces, DevOps, DevTest Labs, Lab Services, Visual Studio Codespaces [deprecated], Application Insights

Microsoft Azure

Hybrid / Edge Offerings

First Party (Microsoft Hardware), Subscription based charges

GPU & FPGA enabled Compute

IoT Edge Runtime, Virtual Machines, Kubernetes Cluster, Azure Edge File Share, Azure Edge Blob Storage

Azure Stack Edge

Partner provided Appliance, 'Azure-like' experience on premise

Virtual Machines, Kubernetes Cluster, Azure Edge - Blob, Table, Queue Storage

Azure Web Apps, Key Vault, Kubernetes Service, IoT Hub, Event Hub, Monitor, Azure Database for Postgres, Azure SQL Managed instance

Azure Stack Hub

Partner provided Appliance runs on Azure HCI OS

Virtual Machines, Kubernetes Cluster, Integrates with services in Azure

Azure Stack HCI (hyperconverged infrastructure)

Virtual Appliance that caches data locally and writes to Azure using NFS/SMB Protocol

Azure Databox Gateway

Runtime that can run on Windows or Linux devices

Run containerised workloads: Functions, Stream Analytics, Cognitive Services, SQL Database, Kubernetes Service, Logic Apps, Blob Storage

Azure IoT Edge Runtime

Hardware Appliances