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Using This Guide

This guide is designed to improve your understanding of how to license Microsoft Dynamics 365 Business Central.

This document does not apply to Microsoft Dynamics 365, Microsoft Dynamics 365 (On-Premises), Microsoft Dynamics 365 for Operations, on-premises, Microsoft Dynamics Business Central, on-premises, Microsoft Dynamics NAV, Microsoft Dynamics GP, Microsoft Dynamics SL, Microsoft Dynamics AX 2012 or prior versions, or Microsoft Dynamics CRM 2016 or prior versions. This guide is not intended to influence the choice of Microsoft Dynamics products and services or provide technical specification. The examples presented in this guide are illustrative. Microsoft reserves the right to review or update this document at any time without notice.

For help determining the right technology solution for any given organization, including the license requirements for a specific product or scenario, consult with your Microsoft account team or your Microsoft Dynamics Certified Partner.

This guide does not supersede or replace any of the legal documentation covering use rights.

What's new in this licensing guide

This licensing guide was updated to reflect licensing updates and new online service offerings as of April 2020.

Business Central	Description	Change
	Sales Professional Attach	New conchility
Essentials / Premium	Customer Service Professional Attach	New capability
	Dynamics 365 Business Central Database Capacity (1GB)	New capacity

Introduction to Dynamics 365 Business Central

Dynamics 365 Business Central fits the needs of midsize businesses with core business needs. It helps organizations connect their financials, sales, purchase, inventory, projects, service, and operations.

Dynamics 365 Business Central functionality is delivered through the Dynamics 365 Business Central Essentials or Dynamics 365 Business Central Premium User.

Dynamics 365 Business Central: Dynamics 356 Business Central Dynamics 356 Business Central Premium Dynamics 365 Business Central Essentials Dynamics 365 Team Members Dynamics 365 Device <u>Hereinafter written as</u>: Business Central Premium Essentials Team Members Device

Figure 1: Business Central Users Overview

	Business	Central S	KUs			
sers	Premium	Essenti	als			
Full Users	R			2		
onal	Device					
Additional Users	Team Members			R	RUser	Device

How to buy Business Central

Licensing Programs

Business Central subscriptions are only available through the Cloud Solution Provider program. Visit the <u>https://partner.microsoft.com//en-US/cloud-solution-provider</u> to learn more about CSP.

International Availability

Country, language, and localization availability for Dynamics 365 is available here.

How to License Business Central

With Business Central, you must license at least one of Business Central Essentials or Business Central Premium users. Additional access to the service functionality by other users is licensed with Team Members.

Users requiring Dynamics 365 Sales or Dynamics 365 Customer Services capabilities may purchase Dynamics 365 Sales Professional Attach or Dynamics 365 Customer Service Attach SKUs, as needed, at a reduced price. Each Attach license can only be assigned to a Essentials or Premium user. The admin will not be able to assign the Attach license to a Team Members user license.

Figu	re 2: Business Centra	al User and Attach Us	er licenses		
	Business	Central Base SKUs		Customer Engagement	Applications Attach SKUs
Full Users	Premium	Essentials	R	Dynamics 365 Sales Professional Attach	Dynamics 365 Customer Service Professional Attach
ional	Device		<u>[</u>		
Addition	Team Members		R	RUser Devic	e

Reference Appendix D for eligible Base and Attach license combinations.

Licensing Requirements for Internal Users

Business Central has two types of SLs:

User SL: The primary licensing is by User SLs, which are assigned on a "named user" basis, meaning each user requires a separate User SL named user subscription. User SLs cannot be shared, but an individual with a User SL may access the service through multiple devices. The Business Central user subscriptions classify users into the following types:

- **Full users:** are the users whose work requires use of the feature rich business applications functionality. Examples of full users are salespeople, customer service representatives, finance employees, controllers and supply chain managers. These users have also been referred to in the past as Professional users or Power Users. These full users are licensed with a Business Central subscription.
- Additional users: often represent a significant percentage of users in an organization and may consume data or reports from line of business systems, complete light tasks like time or expense entry and HR record updates or be heavier users of the system, but not require full user capabilities. These additional users are licensed with Team Members.

Device SL: With Device SL any number of users can access a licensed device with individual logins without the need for separate User SLs. If individual users share one login, their individual usage cannot be tracked. Business Central device license is a limited license with a subset of Business Central capabilities. See the Device Subscription License <u>section</u> for more information.

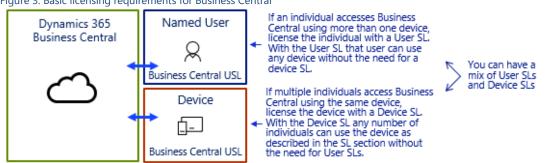


Figure 3: Basic licensing requirements for Business Central

Since Business Central may be licensed with User or Device SL, only the user or the device requires a SL, but not both. If the user of a device is licensed with a User SL, then the device does not need a Device SL. Likewise, if the device is licensed with a Device SL, then the user does not need a User SL. Customers can mix both User and Device SLs.

The User and Device SL grants users non-perpetual rights (with no buy-out rights) to the use of the Dynamics 365 service. As long as you are current on your subscription payments and adhere to the <u>Product Terms and</u> <u>the Online Service Terms</u>, you will have access to the most up-to-date version of Dynamics 365.

Customers must purchase Subscription Licenses (SLs) for their organization or their affiliates' employees and on-site agents, vendors or contractors who directly or indirectly access the Business Central services.

Minimum License Purchase Requirement

There are no minimum license purchase requirements. Note, customers may not mix and match Essentials and Premium users. Customers must license either Essentials or Premium users, not both.

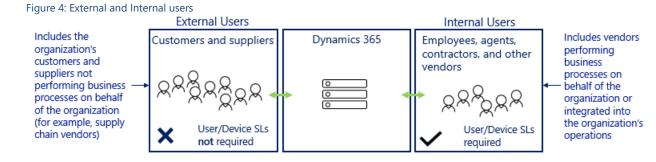
Licensing Requirements for External Users

External users are end customers and third-party users of the organization or its affiliates and do not require SLs to access Microsoft Dynamics 365. External user access is included with the organization's internal user SLs.

External users cannot use any clients provided by the Business Central Application Programming Interface (API), such as the Windows client, the Web client, the Windows, the iPad or iPhone app, or the Android application.

In addition, external users include off-site vendors not on an employee-like relationship with the organization or its affiliates (e.g. IT help desk support vendors serving multiple customer organizations).

However, external user access does not extend to the customer or the customer's affiliate's contractors, vendors, or agents providing business processes on the customer's behalf or using Dynamics 365 to manage any portions of their business. In this sense, the customer may not use Dynamics 365 to provide business process outsourcing services to its clients.



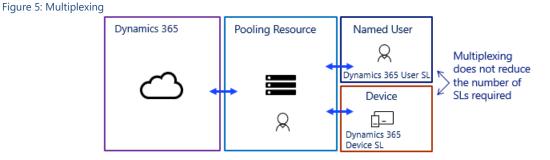
Multiplexing

Multiplexing refers to the use of hardware or software that a customer uses to pool connections, reroute information, reduce the number of devices or users that directly access or use Dynamics 365 service. Multiplexing does <u>NOT</u> reduce the number of SLs of any type required to access the Microsoft Dynamics 365 service. Any user or device that accesses Dynamics 365 —whether directly or indirectly—must be properly licensed.

Dynamics 365 SLs are required for users or devices that directly input, query, or view data from the Dynamics 365 service. Similarity, Dynamics 365 SLs are required for users or devices that input data into, query, or view data from Dynamics 365 through a pooling device. Pooled connections use a non-interactive user account in Dynamics 365 that can access the system but only via the web service layer. Internal users and devices accessing Dynamics 365 data indirectly through a portal or via an API to a separate service such Microsoft Outlook must also be properly licensed, regardless of if they are set up as a Dynamics 365 user in the service, for example:

- Internal users and devices access Dynamics 365 data indirectly through a Power Apps must still be properly licensed for Dynamics 365.
- Any user or device that accesses the service, files, data, or content provided by the service that is made available through an automated process requires a Dynamics 365 SL.
- The number of tiers of hardware or software between the Dynamics 365 service and the user or devices that ultimately use its data, services, or functionality does not affect the number of SLs required.

For additional information about multiplexing refer to the Microsoft Volume Licensing Brief <u>Multiplexing</u> <u>Client Access License (CAL) Requirements</u>.



Dual Use Rights

One of the advantages of Dynamics 365 is dual use rights. This allows customers the option to deploy the server software either in Microsoft's cloud or in a private on-premises or partner-hosted cloud. In some cases, customers may want to deploy both types of instances simultaneously. This might be done to help with

migrating a Dynamics 365 on-premises deployment to Dynamics 365, running private Dev/Test deployments in Microsoft Azure. With Dual Use Rights, Dynamics 365 users licensed with the required User SL do not need to acquire CALs to access Server instances.

Users licensed with Dynamics 365 SLs have use rights equivalent to a CAL for the purpose of accessing equivalent on-premises workloads. Device use rights are equivalent to the cloud device use rights. With Dynamics 365 the server license is included with the SLs. Licenses for all supporting servers (e.g., Windows Server and CAL(s)) must be obtained separately.

Users licensed with the following SLs may access the on-premises Dynamics 365 Server software provided via dual use rights:

- Premium
 Team Members
- Essentials Device

To take advantage of Dual Use rights, a Business Central cloud subscription needs to be activated via CSP. Once the subscription has been activated, a customer account will be created in PartnerSource Business Center (PSBC) with the equivalent user SLs. The customer can access their on-premises/dual use rights license key (flf. format) by signing in to CustomerSource, selecting the 'My Products and Services' link from the dropdown menu and then clicking on the 'Registration Keys' link beside the Business Central product.

Note: The on-premises license file is valid as long as the cloud subscription is active. When you update your online subscription (for example, reduce the user count), you and/or your customer are obligated to download a new on-premises license file from PSBC to reflect the changes made on the cloud subscription.

Dynamics 365 Subscriptions

Additional Users

Additional users are not subject to the Attach motion and may access Essentials and Premium use rights within the constraints described below.

Team Members

The Team Members subscription is a named user subscription designed for users who are not tied to a particular function, but who require basic Business Central functionality. This license includes read access as well as some write access for select light tasks across Business Central functionality for a given tenant. The Team Members SL grants a user full read access to Essentials and Premium for a given tenant. In addition, the Team Members SL includes some limited use write access to Essentials and Premium.

Central Team Members also includes the Power Apps/Power Automate Use Rights with Dynamics 365 license. Team Members users can use Power Apps to access Business Central within the bounds of their Team Members license.

Team Members requires that at least one other user be licensed with Essentials or Premium.

Team Members use rights:

- (i) Read anything within Business Central
- Update existing data and entries in Business Central existing data are records like customer, vendor or item records which are already created. Entries means entries on which it is specifically allowed from an accounting perspective to update specific information. (e.g. due date on customer ledger entries)
- (iii) Approve or reject tasks in all workflows assigned to a user
- (iv) Create, edit, delete a quote
- (v) Create, edit, delete personal information

- (vi) Enter a time sheet for Jobs
- (vii) Use Power Apps/Power Automate Use Rights with Dynamics 365 license
- (viii) Team Members application module may be customized with maximum 15 additional entities (custom entities or "out-of-the-box" Common Data Service entities) available to the Team Members license per pre-approved application scenarios

See <u>Appendix A</u> for a summary of Essentials use rights, <u>Appendix B</u> for a summary of Premium use rights, and the Power Apps, Power Automate, and Power Virtual Agents Licensing <u>Guide</u> for additional information on Power Apps for Dynamics 365 licensing.

Business Central Device

With the device license, multiple users can use a device that is licensed with a device SL to operate a point of sale device, shop floor device, or warehouse device. A single device can provide any of the following functionality in any combination. Device SLs do not include all the capabilities of the full user.

Device SL	Functionality				
Point of Sale	One device located in the Commerce location, used by any individual, for completing customer				
Point of Sale	facing sales of goods or services transactions				
Store Manager	One device located in the Commerce location, used by any individual, dedicated to performing the following tasks solely for that Commerce location. Commerce location or Store means a physical location (static or itinerant) operated by you when closing goods or services transactions with customers: • Managing and replenishing inventory • Balancing cash registers and processing daily receipts • Configuring and maintaining menu options displayed by the ISV Devices • Purchasing supplies and services required to run the Commerce Location operations • Managing Commerce Location staff • Processing reports required to analyze and manage Commerce Location results • Managing master data related to Commerce Location operations				
Shop Floor	 One device used for manufacturing shop-floor functions. Shop Floor Functions: Clock-in and clock-out Starting and finishing production jobs (including project activities carried out on the shop floor) Reporting progress Materials consumption and completion Viewing documents and instructions related to production jobs Viewing worker holiday balances 				
Warehouse Device	 One device used for Warehousing functions: Receiving Putting-away Doing internal stock transfers Picking, packing Capturing product attributes Shipping goods plus performing inventory count checks in the context of a warehouse management system Posting output and materials consumption against production orders when captured as transfers of raw materials and finished goods between a warehouse and a production line (all other types of transactions are excluded) 				

Product Licensing

Business Central

Subscriptions are named user subscriptions where a user is licensed for Essentials or Premium. The following application is part of Business Central: Power Apps/Power Automate Use Rights with Dynamics 365 license.

Business Central is a comprehensive business management solution for SMBs. The Business Central application can be licensed two ways:

Essentials:

- (i) Financial Management
- (iii) Customer Relationship Management
- (v) Project Management

- (ii) Supply Chain Management
- (iv) Human Resources Management
- (vi) Warehouse Management

Premium:

- (i) Everything in Essentials
- (ii) Service Management
- (iii) Manufacturing

Note, customers may not mix and match Essentials and Premium users. Customers must license Essentials or Premium users but not both.

Business Central (per user license) – This license provides users with unrestricted access to the functionality included in Team Members and Business Central.

Business Central include the "Power Apps/Power Automate Use Rights with Dynamics 365 license" license. Business Central users can use Power Apps to access Dynamics 365 within the bounds of their Essentials or Premium license.

Business Central includes at no charge, three External Accountant licenses for customers who have external accountants who wish to connect to their Business Central application. External Accountant Licenses contain all the same use rights as Business Central license except for the following: Access to user set up or admin tasks and any other Business Central application.

See <u>Appendix A</u> for a summary of Essentials use rights, <u>Appendix B</u> for a summary of Premium use rights, and the Power Apps, Power Automate, and Power Virtual Agents Licensing <u>Guide</u> for additional information on Power Apps for Dynamics 365 licensing.

Additional Services and Software

Microsoft offers additional services and software that work in tandem with Dynamics 365. These services are included in Business Central and Team Members subscriptions. The following resources can help you to determine the required additional licenses.

Microsoft Power is a high-productivity platform that includes the ability to integrate products.

- Power Apps: Extend and customize applications
 - Power Apps Portals add-on
 - Al Builder capacity add-on
 - o Power Apps and Power Automate capacity add-on
- Power Automate: Automate business processes and workflow
- Power BI: Deliver business intelligence

		d based on the Dynamics 365 application.
Power Anne and Power Automate	lica riante ara datarminac	There and the Livnemics 365 endication
	use hunts are determined	

Power Apps/Power Automate Use Rights with Dynamics 365 license	Dynamics 365 Applications ¹	Dynamics 365 Enterprise Applications ²
Customization/extension of licensed Dynamics 365 application		
Customize licensed Dynamics 365 application	Yes (limited to 15 custom entities) ³	Yes (no limits on custom entities)
Run custom applications	-	Yes - unlimited (within the same environment as licensed Dynamics 365 application)
Access capacity-based portals (provisioning portals from the Common Data Service capacity)	-	Yes - unlimited (within the same environment as licensed Dynamics 365 application) ⁴
Connector use rights		
Standard connectors	•	•
Premium connectors	٠	•
On-premises data gateway	٠	•
Custom connectors	٠	•
Common Data Service use rights		
Number of custom entities per licensed Dynamics 365 application	15	Unlimited
Restricted entities (within licensed Dynamics 365 application)	٠	•
Power Automate use rights		
Run flows that extend licensed Dynamics 365 application	•	•
Run standalone flows that do not map to licensed Dynamics 365 application	-	-
Business process flows	•	•

¹Business Central Team Members, Sales Professional Attach, Customer Service Professional Attach

² Business Central Essentials, Business Central Premium

³Team Members application module may be customized with maximum 15 additional entities (custom entities or "out-of-the-box"

Common Data Service entities) available to the Team Members license per pre-approved application scenarios

⁴The Dynamics 365 environment is defined as an environment that includes one or more Power Apps that integrate with Business Central

Note, Power Apps and Power Automate usage will count against daily API request limits associated with the Dynamics 365 license. More details at <u>http://aka.ms/platformlimits</u> - Power Apps and Power Automate capacity add-on can be purchased to increase daily service limits.

Please visit <u>https://powerapps.microsoft.com</u> and <u>https://flow.microsoft.com</u> for more details on Power Apps and Power Automate.

Microsoft Power BI in Dynamics 365 - Business Central users are not provided with any standalone or generalpurpose Power BI license or use rights. Customers who require Power BI Pro will need to license and pay for it separately.

Business Central application subscriptions include an option to embed Power BI content as a product feature but require users to subscribe to Power BI (free user or Power BI Pro depending on content) separately to configure access to this content. More details are available in <u>this article.</u>

Cortana Intelligence - Customers who wish to expand beyond the default subscription capacity included in Business Central will need to have a separate Azure subscription.

Licenses for Business Central service do not include licenses for other products and services that may be necessary to light up integrated scenarios or extend functionality; product licensing rights for these must be established separately.

Business Central Default Subscription Capacities

Production Instance	1 Included
Non-Production Instance	None
Database Storage	80GB
External Accountant Licenses	3 Included
Companies	Unlimited
Cortana Intelligence	1800 seconds per month/tenant

Business Central Capacity Add-ons

Capacity add-ons are available for purchase with paid licenses. Unpaid licenses (e.g., demo/dev or Internal Use Rights (IUR)) don't qualify as a valid base offer.

Additional Database Capacity

The Business Central Database Capacity add-on provides flexibility to increase the SQL database storage capacity associated with your Essentials and Premium subscriptions in increments of 1GB per Additional add-on license. This Additional storage Add-on can be used to increase database storage across the production and/or non-production instances.

Support

The Microsoft Cloud Solution Provider program enables partners to manage their customer's success. Support for Business Central is solely through the Microsoft Cloud Solution Provider partners.

Additional Resources

Power Apps, Power Automate, and Power Virtual Agents Licensing Guide	https://go.microsoft.com/fwlink/?LinkId=2085130&clcid=0x409	
Dynamics 365 Business Central, on- premises Licensing Guide	https://assetsprod.microsoft.com/mpn/business-central-dynamics-licensing guide.pdf	
Microsoft Dynamics Blog	https://community.dynamics.com/b/msftdynamicsblog	
CustomerSource	https://mbs.microsoft.com/customersource/	
Microsoft Downloads Center	http://www.microsoft.com/downloads	
Cloud Solution Provider Program (MPN)	https://mspartner.microsoft.com/Pages/solutions/cloud-reseller- overview.aspx	

Appendix A: Essentials Functionality

•	
	Fixed Assets
Cash Flow Forecast	Multiple Currencies
Check Writing	Payment Handling
	Responsibility Centers
	Unlimited Dimensions
Artificial Intelligence ²	
Inventory Forecast	Sales Forecast
Late Payment Prediction	
Customer Relationship Management	
Contact Management	Opportunity Management
-	Relationship Management
	Task Management
3	
	Online Map
	•
	Tax. Reg. No. Validation Service (EU) ¹
Human Resources Management	
	Dreigst Management John
	Project Management Jobs Time Sheet
	Time Sheet
	Demand Forecasting
	Sales Invoice Discounts
	Sales Invoicing
	Sales Line Discounting
	Sales Line Pricing
	Sales Order Management
-	Sales Return Order Management
J	Sales Tax/VAT~
	Shipping Agents
5	Standard Cost Worksheet
	Stock keeping Units
	Vendor Catalogue Items
Requisition Management	
Narahousa Managament and Inventory	
Varehouse Management and Inventory	Warehouse Shipmont
Internal Picks and Put Aways	Warehouse Shipment
	Warehouse Management Systems
Internal Picks and Put Aways Pick	· ·
Internal Picks and Put Aways Pick Other	Warehouse Management Systems Warehouse Receipt
Internal Picks and Put Aways Pick Other Job Queue	Warehouse Management Systems Warehouse Receipt User Tasks
Internal Picks and Put Aways Pick Other Job Queue Notifications (on-premises only)	Warehouse Management Systems Warehouse Receipt User Tasks Word reporting/Document reporting
Internal Picks and Put Aways Pick Other Job Queue	Warehouse Management Systems Warehouse Receipt User Tasks
	Consolidation Deferrals Electronic Payment/Direct Debits ¹ Advanced Financial Management Inter-company Postings Artificial Intelligence ² Inventory Forecast Late Payment Prediction Customer Relationship Management

¹For feature availability in your region, consult <u>https://docs.microsoft.com/en-us/dynamics365/business-central/about-localization</u>

²Requires Intelligent Edge or Azure Machine Learning subscription

³Requires Dynamics 365 license

⁴Support for Sales Tax or VAT depending on country deployment

Appendix B: Premium Functionality

Premium includes Essentials capabilities and adds key functionality for service order management and manufacturing.

Service Order Management				
Service Order Management	Service Item Management	Planning and Dispatching		
Service Price Management	Service Contract Management			
Manufacturing				
Production Orders	Machine Centers	Finite Loading		
Production Bill of Materials	Basic Supply Planning	Sales and Inventory Forecasting		
Version Management	Basic Capacity Planning	Agile Manufacturing		

Appendix C: Configuration Components

Configuration and Development			
Table	Reports	XML Port	
Pages	Codeunits	Queries	

Dynamics 365 Business Central license keys include, via dual use rights, the full custom objects range 50,000 – 99,999 for the above configuration components.

Appendix D: Attach SKU Mapping

Dynamics 365	Base	Attach SKUs		
	SKUs	Sales Professional	Customer Service Professional	
Business Central Essentials	•	•	•	
Business Central Premium	•	•	•	

	_	• •	
Appendix	E:	Change	00
		enange	

Page	Торіс	Change	Action	Date	
2	How to license	New	Added basic information on the Attach motion		
2/Appendix D Attach licenses			Dynamics 365 Sales Professional and Dynamics 365		
	New	customer Service Professional Attach licenses are			
		available for Essentials and Premium customers			
5	Dual use rights	Added	Device use rights are equivalent to the cloud device use rights		
6	Team Members use rights	Clarified	(viii)Team Members application module may be customized with maximum 15 additional entities (custom entities or "out-of-the-box" Common Data Service entities) available to the Team Members license per pre-approved application scenarios	April 2020	
8	Power Apps/ Power Automate use rights	Clarified	Power Apps and Power Automate use rights and footnotes	_	
9	Capacity Add- on	New	Business Central Database Capacity add-on (1GB)		
10	Functionality	Updated	Footnotes	January 2020	
6	Dual use rights	Clarified	Dual use rights pertain to users as there is no device available on-premises	December 2019	
Various	Power Platform	Name change	PowerApps = Power Apps, Flow = Power Automate	December 2019	
10	PowerApps	Updated	Updated use rights table	October 2019	
2&6	Device	New	Business Central Device	July 2019	
10	Default Capacity	Corrected	Corrected table to read 3 External Accountant licenses	July 2019	
5	Team Members	Removed	Detailed plan of how Team Members works in Business Central – added to Dynamics 365 Licensing FAQ	June 2019	
10	Configuration components	New	Added Appendix C: Configuration Components	June 2019	
4	Min Purchase	Added	There is no minimum license requirement. Note, customers may not mix and match Essentials and Premium users.	May 2019	
5	Team Members	Added	Detailed plan of how Team Members works in Business Central	May 2019	
6	External Accountant	Updated	Dynamics 365 Business Central includes at no charge, three External Accountant licenses for customers who have external accountants who wish to connect to their Dynamics 365 Business Central application	May 2019	

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