

POWER PORTALS BootCamp

24TH-25TH SEPTEMBER 2021
Demystifying Power Apps Portals Licensing

CUSTOMER SELF SERVICE

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Register Now

2000 Free Tickets



Microsoft

[Powercommunity.com](https://powercommunity.com)

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<https://github.com/readyxrm>

STARTING SEPTEMBER 27

Senior Content Developer @



Microsoft



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Some Caveats...

- Don't shoot the messenger!
- I am an "Arm Chair" expert in regard to licensing, **always engage with Microsoft Sales team when working on proposals or planning**

Power Apps Portals Licensing

Licensing overview

Provisioning a Power Apps Portals instance

Power Apps Portals instances can be provisioned by customers on-demand. Provisioning a portals instance draws 1GB from available (unused) Dataverse database capacity. Thus, provisioning additional portals instances is only capped by available Dataverse database capacity.

Usage of a Power Apps Portals instance

Each end user that accesses a Power Apps Portals instance needs to be licensed appropriately. The table below outlines the end user types.

| End user type | | Description | Use case examples |
|-----------------|----------------------------|--|---|
| Authenticated | External user ¹ | Obtains secure access to personalized data by utilizing authentication mechanisms such as Azure AD B2C, LinkedIn, Okta, etc. | <ul style="list-style-type: none">• B2B - Partner management (Dealer, Supplier, Franchise etc.)• B2C – Account management etc. |
| | Internal user | Obtains secure access to personalizing data by utilizing Azure AD associated with their Power Apps or D365 login credentials | <ul style="list-style-type: none">• Employee self-serve |
| Unauthenticated | n/a | Access publicly viewable web pages powered by the portal | Knowledge management sites |

¹"External User" means users that are not employees, onsite contractors or onsite agents of Customer or its Affiliates

Power Apps Portals Licensing – Authenticated vs Anonymous

Authenticated

- Customers
- Members
- Partners
- Employees

Anonymous

- Visitors
- General public



Photo by [Nicholas Green](#) on [Unsplash](#)

External User – Portal Login

The licensing scheme varies based on end user type.

| End user type | | Licensing model | Description |
|-----------------|----------------------------|---|--|
| Authenticated | External user ¹ | Per login | A login provides the authenticated user with access to a single portal for up to 24 hours . Multiple logins during the 24-hour period count as 1 billable login. A login can be considered as a day pass to a single Power Apps Portal |
| | Internal user | <ul style="list-style-type: none">• Power Apps per app, or• Power Apps per user, or• Select D365 licenses | Custom portal use rights are aligned with custom app use rights |
| Unauthenticated | n/a | <ul style="list-style-type: none">• Per page view | |

Per login model

Per login model

For Power Apps Portals instances that implement authenticated external user scenarios, appropriate login capacity, based on anticipated usage volumes, should be purchased. Customers should purchase necessary capacity of logins across all Portals instances that cater to authenticated external user scenarios.

| SKU Names | Unit Capacity | Min Purchase | Monthly Volume | Channel |
|--|-------------------|--------------|----------------|---------|
| PowerApps Portals login capacity add-on | 100 logins /month | 1 | 100 logins | All |
| PowerApps Portals login capacity add-on tier-2 | | 10 | 1,000 logins | All |
| PowerApps Portals login capacity add-on tier-3 | | 50 | 5,000 logins | All |

Each unit provides 100 logins/month. Volume tiers and corresponding SKUs differ based on minimum purchase requirements. For each of the tiers, once the minimum purchase requirement is met, additional units can be purchased in units of 1.

For example, a customer requiring 5,500 logins/month can purchase 55 units of "Power Apps Portals login capacity add-on tier-3"

Portal Login: 24-hour access to a Portal

You have an allocation of tickets available (100)

One ticket provides 24 hour access to portal

Authenticated User can come and go in the 24 hours as much as they want

After 24 hours, the need a new ticket



Photo by [taylor gregory](#) on [Unsplash](#)

Portal Login: The math (\$US)

| Tiers | Best for businesses that need a minimum of: | Price/Unit/month | Minimum unit requirement ⁵ |
|---|---|------------------|---------------------------------------|
| Tier 1 | 100+ logins/ month | \$200/unit/month | 1 unit |
| Tier 2 | 1,000+ logins/ month | \$100/unit/month | 10 units |
| Tier 3 | 5,000+ logins/ month | \$70/unit/month | 50 units |
| Tier 4 (Limited time offer ⁶) | 25,000+ logins/ month | \$32/unit/month | 250 units |

- 1000 members
- Member accesses the portal twice a month (renewal, gets info, etc)
- Need 2000 portal logins
- Tier 2 (\$100 per 1000 logins) 20 units = \$2000 per month (\$1 per login)

Anonymous – Page View Model

Per page view model

For Power Apps Portals instances that implement anonymous access scenarios, appropriate capacity of page views, based on anticipated usage, should be purchased. Customers should purchase necessary page views capacity across all Portals instances that cater to anonymous access scenarios.

| SKU Name | Unit Capacity | Channels |
|--|-----------------------------|----------|
| Power Apps Portals page view capacity add-on | 100,000 page views/month | All |

Each unit provides 100,000-page views per month. For example, a customer requiring 570,000-page views per month, should purchase 6 units of "Power Apps Portals page view capacity add-on"

Page Views – The math

- \$100 for 100000 page views
- Will need this for home page prior to authenticated user logging in

Portals

Page view capacity (Unauthenticated users)

\$100

per month for 100,000 page views

Enable external users to access custom portals.

[Buy now >](#)

[Learn more >](#)

Power Platform Requests

Power Platform requests for Power Apps portals

Each login provides a daily limit entitlement of 200 Power Platform requests per 24-hour period per user. Anonymous page views, which rarely interact with backend system functionality, are afforded up to 3 Power Platform requests per page view.

These Power Platform requests are pooled at portal level depending on number of logins/page views assigned to portal.

Custom Authentication to avoid logins?

- Consider development time, security
- UCS (use common sense)
- Might be legitimate use cases (one time form, vaccine registrations, etc.)



[Home](#) >

Student Login

[français](#)

Please enter your email address

[View PIF \(Participant Information Form\)](#)

Capacity Enforcement

Capacity enforcement

For Power Apps Portals login capacity add-on SKUs, purchased capacity is enforced monthly. Unused logins do NOT carry over from one month to another. Customers should purchase appropriate capacity aligned with peak monthly anticipated usage.

Overage handling

While occasional and reasonable overages will be tolerated, customers exceeding purchased capacity should adjust their purchase quantity per standard Microsoft terms to remain in compliance.

Internal Users

Power Apps Portals – Use rights for Internal users

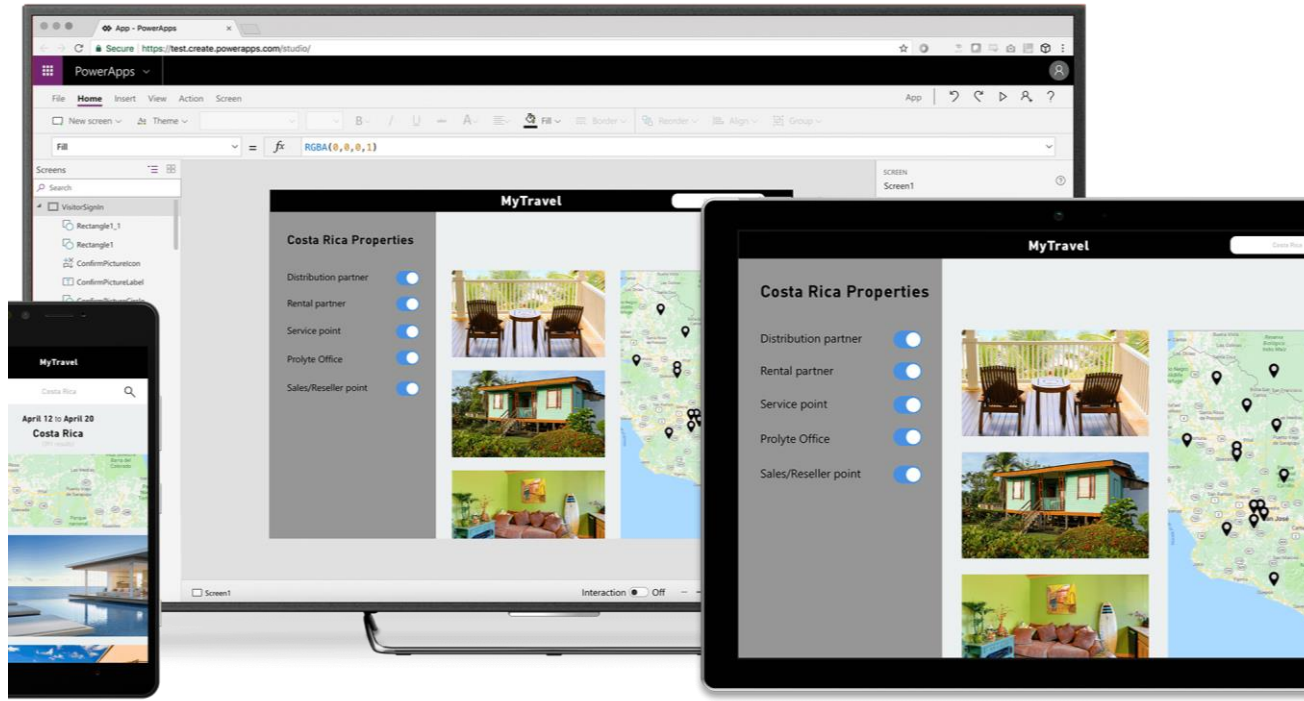
For internal users i.e. users licensed with Power Apps or Dynamics 365 licenses, the use rights for Power Apps Portals which are essentially custom portals aligned with use rights to custom Power Apps.

| License | Custom Power Apps Portals use rights |
|--|---|
| Dynamics 365 Team Members | None |
| Dynamics 365 Operations - Activity | None |
| Dynamics 365 Professional license ¹ | None |
| Dynamics 365 Enterprise license ² | <ul style="list-style-type: none">• Power Apps Portals that map to licensed Dynamics 365 application context• Power Apps Portals that map to the same environment as the licensed Dynamics 365 application |
| Power Apps per app | 1 Power Apps portal |
| Power Apps per user | Unlimited Power Apps portals |
| Office 365 | None |

¹Dynamics 365 Sales Professional, Dynamics 365 Customer Service Professional

²Dynamics 365 Sales Enterprise, Dynamics 365 Customer Service Enterprise, Dynamics 365 Field Service, Dynamics 365 Finance, Dynamics 365 Supply Chain Management, Dynamics 365 Project Operations, Dynamics 365 Commerce, Dynamics 365 Human Resources, Dynamics 365 Business Central

Employees, Staff, Contractors



- Not a way to circumvent licensing
- They will need at minimum Power Apps Per App licenses (\$5)
- Consider use case (Maybe a Power App would work better?)

Licensing DEV portals?

- Portals can be provisioned on DEV, TRIAL and SANDBOX environments
- Typically, Portal Makers have a Power Apps Per User license (or they should)
- Can build portal based on internal use rights



Photo by [Lala Azizli](#) on [Unsplash](#)

Allocating Subscriptions

- Purchase Subscription
- Power Platform Administration
- Capacity
- Add-Ons
- Apply Page views + portal logins

×

Manage add-ons

Assign add-ons to environments so that people can do more with their apps, flows, portals, virtual agents, and AI models. [Learn more](#)

Environment

Missing Industry Human Resources C...

App passes

Give unlicensed users access to Power Apps apps and flows.

130 passes remaining

Extra steps are required for App passes to work on model-driven apps. [Learn more](#)

Flow per business process

Assign capacity so your people can use business process flows.

00 flows remaining

Portal page views

Allow anonymous visitors to use your portals. A minimum of 50000 are required.

1000000 views remaining

Portal logins

Manage the number of logins allowed on your portals. A minimum of 100 are required.

100 logins remaining

AI Builder credits

Assign AI processing credits to your Power Apps apps and flows.

00 credits remaining

App Passes for Microsoft Teams

Give unlicensed users access to Power Apps inside of Microsoft Teams.

00 passes remaining

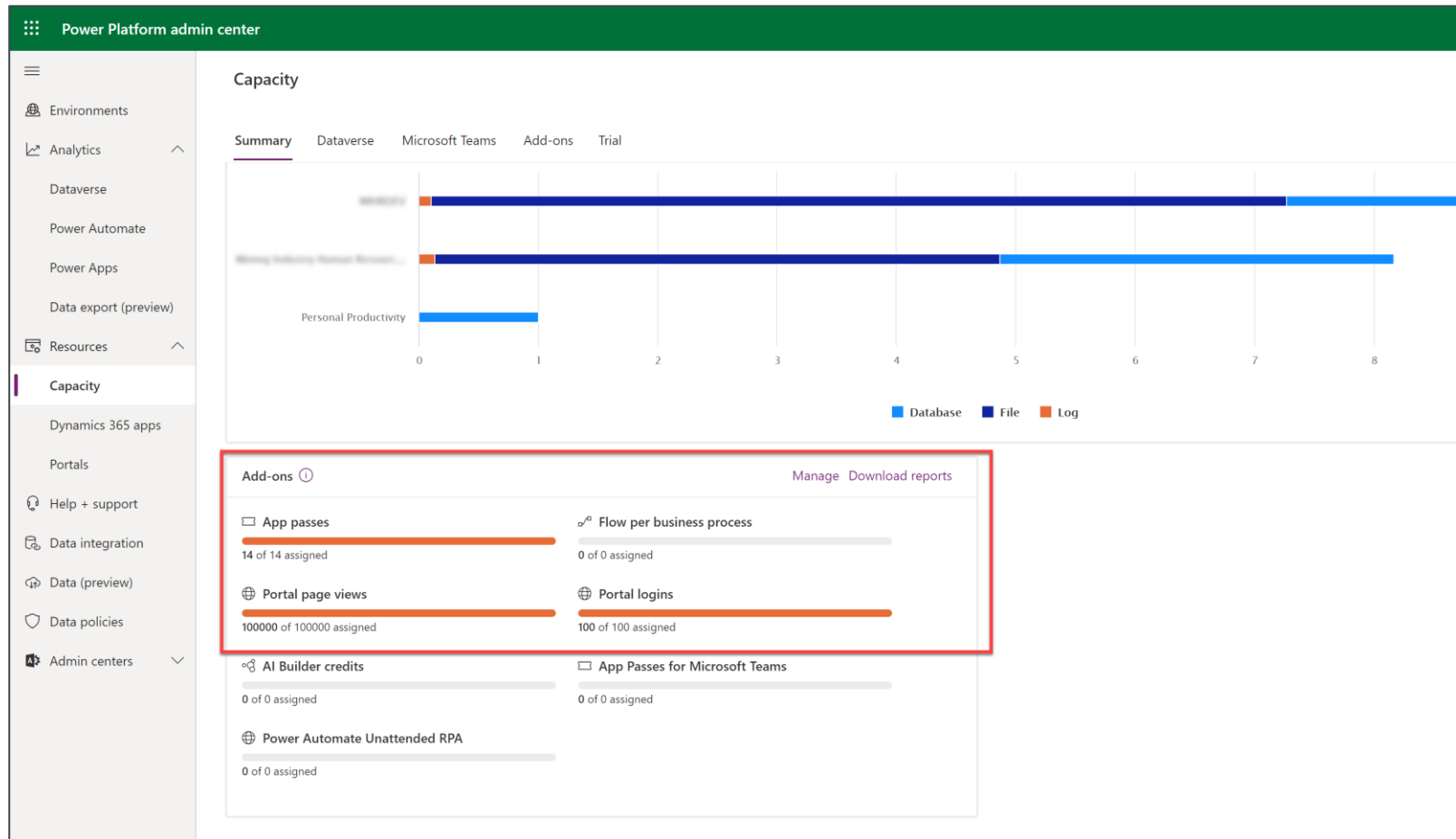
Power Automate Unattended RPA

Assign capacity to use Unattended RPA

00 Unattended RPA's remaining

SaveCancel

Viewing Allocations



Over? Under? Just Right? - Reports

- Capacity
 - Download Reports
 - Past 30 days only
 - Manual generation
- Can request more telemetry vis support request

The screenshot displays the Power Platform admin center interface. On the left is a navigation pane with links to Environments, Analytics, Resources, Help + support, Data integration, Data (preview), Data policies, and Admin centers. The main content area is titled 'Downloadable Reports' and contains a table with the following data:

| Report Type | Report Dates | Status |
|-------------------|------------------------------|------------|
| Portal logins | August 24th - September 23rd | Completed |
| Portal page views | August 24th - September 23rd | InProgress |

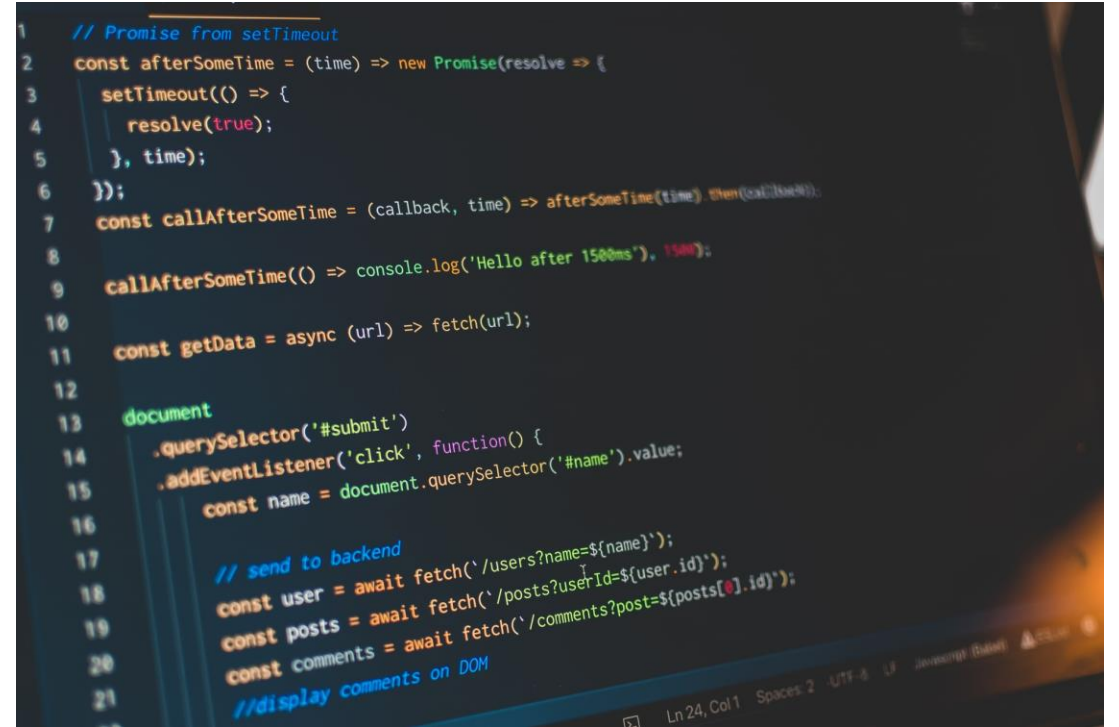
Overlaid on the right is a 'Request a report' modal. It includes a close button (X) in the top right corner. The modal text states: 'Get user and flow reports for API requests for the past 30 days. We'll notify you when your report is ready to download. It could take a few minutes. [Learn more](#).' Below this text is a section titled 'Choose a report' with a dropdown menu currently showing 'Portal logins'. At the bottom right of the modal are 'Submit' and 'Cancel' buttons.

Alternatives: Custom (Build vs Buy)

Need to consider API call capacity
(25000 to 100000 API calls per 24
hours, based on licensing)

Development time vs
Portal Licenses

Ongoing Support



```
1 // Promise from setTimeout
2 const afterSomeTime = (time) => new Promise(resolve => {
3   setTimeout(() => {
4     resolve(true);
5   }, time);
6 });
7 const callAfterSomeTime = (callback, time) => afterSomeTime(time).then(callback);
8
9 callAfterSomeTime(() => console.log('Hello after 1500ms'), 1500);
10
11 const fetchData = async (url) => fetch(url);
12
13 document
14   .querySelector('#submit')
15   .addEventListener('click', function() {
16     const name = document.querySelector('#name').value;
17
18     // send to backend
19     const user = await fetch('/users?name=${name}');
20     const posts = await fetch('/posts?userId=${user.id}');
21     const comments = await fetch('/comments?post=${posts[0].id}');
22
23     //display comments on DOM
```

Photo by [Pankaj Patel](#) on [Unsplash](#)

Alternative: Jamstack

- Create and post static content dynamically with Power Automate
- <https://bit.ly/3kDTRKr>



Alternative: Guest Users

- Build and share a canvas app
- E.g.
- 1000 users accessing an app every working day (20)
- \$5 per app pass = \$5000
- Portal Logins (.70 per login) = \$14000

The screenshot shows the Microsoft Power Apps documentation page. The header includes the Microsoft logo, navigation links (Docs, Documentation, Learn, Q&A, Code Samples), a search bar, and a 'Free account' button. The breadcrumb trail is: Docs / Power Platform / Power Apps / Create apps / Canvas apps / Share an app and its dependencies / Share an app with guests. The left sidebar contains a 'Filter by title' search bar and a list of topics, with 'Share an app with guests' selected. The main content area has the title 'Share a canvas app with guest users', a date '08/25/2021', and a reading time '4 minutes to read'. The text explains that Canvas apps can be shared with guest users of an Azure Active Directory (Azure AD) tenant. The 'Prerequisites' section lists: 'In Azure AD, enable B2B external collaboration for the tenant. More information: [Enable B2B external collaboration and manage who can invite guests](#)'. A purple 'Note' box states: 'B2B external collaboration is enabled by default; however, you need to verify that the settings weren't changed by a tenant admin. For more information about Azure AD B2B, go to [What is guest user access in Azure AD B2B?](#)'. The final prerequisite is: 'Access to an account that can add guest users to an Azure AD tenant. Admins and users with the Guest Inviter role can add guests to a tenant.' and 'The guest user must have a license with Power Apps use rights that matches the capability of the app assigned through one of the following tenants: The tenant hosting the app being shared'. The right sidebar includes a 'Is this page helpful?' poll, 'In this article' links for 'Prerequisites', 'Steps to grant guest access', 'Considerations and limitations for guest access', and 'Frequently asked questions'.

Microsoft | Docs Documentation Learn Q&A Code Samples

Power Apps Learn Power Apps Support Partners Blog Pricing

Docs / Power Platform / Power Apps / Create apps / Canvas apps / Share an app and its dependencies / Share an app with guests

Filter by title

- > Get started
- > Find and run apps
- > Create apps
- > Canvas apps
 - Canvas apps
 - What are canvas apps?
 - System requirements, limits, and configuration
 - Keyboard shortcuts
- > Explore sample apps
- > Create your first app
- > Create an app from scratch
- > Design and build an app
- > How-to guides
- > Save and publish an app
- > Share an app and its dependencies
 - Share an app
 - Share an app with guests

Download PDF

Share a canvas app with guest users

08/25/2021 • 4 minutes to read

Canvas apps can be shared with guest users of an Azure Active Directory (Azure AD) tenant. This enables inviting external business partners, contractors, and third parties to run your company's canvas apps.

Prerequisites

- In Azure AD, enable B2B external collaboration for the tenant. More information: [Enable B2B external collaboration and manage who can invite guests](#)

Note

B2B external collaboration is enabled by default; however, you need to verify that the settings weren't changed by a tenant admin. For more information about Azure AD B2B, go to [What is guest user access in Azure AD B2B?](#)

- Access to an account that can add guest users to an Azure AD tenant. Admins and users with the Guest Inviter role can add guests to a tenant.
- The guest user must have a license with Power Apps use rights that matches the capability of the app assigned through one of the following tenants:
 - The tenant hosting the app being shared

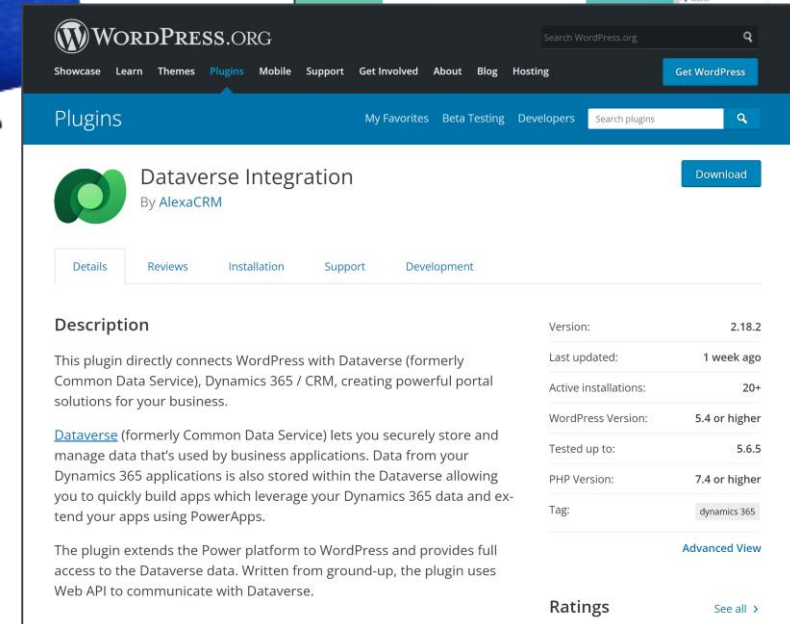
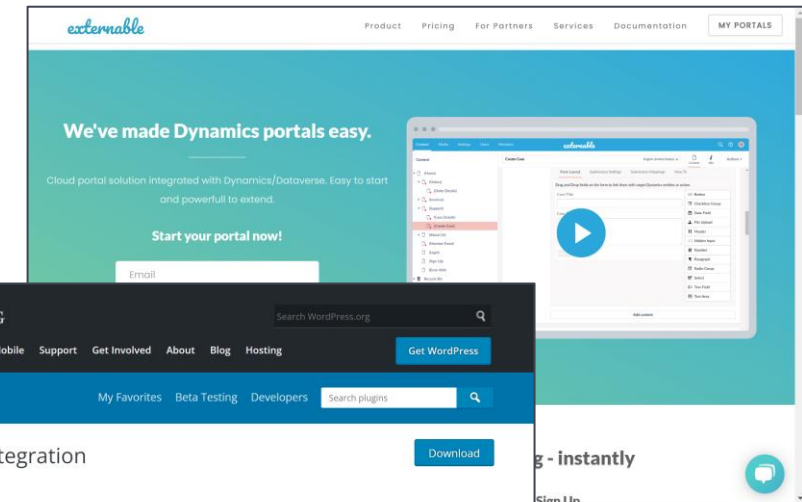
Is this page helpful?
Yes No

In this article




- [Prerequisites](#)
- [Steps to grant guest access](#)
- [Considerations and limitations for guest access](#)
- [Frequently asked questions](#)

Alternatives: 3rd Party Dataverse Portals

- Portal Connector (Sitefinity)
- Dataverse Integration (WordPress)
- Others...
 - Consider API calls
 - Consider use case + skill set
 - Good for existing CMS systems (Sitefinity, WordPress)



Alternatives: Integration vs Portal

INNERSTRENGTH  All categories ▾ Search  

Free shipping on all orders over \$199 within Canada
\$8 Standard shipping within Canada on orders under \$199
Prices are in Canadian Dollars

Shop by Category ▾ Shop by Brand ▾ Shop by Sport ▾ SBD Phoenix Returns/Exchanges Login

VENDOR

- Deadshin (1)
- Fitkicks (5)
- Inzer Advance Design (14)
- New Age (2)
- Notorious Lift (5)
- Rehband (6)

PRODUCT TYPE

- Belts (8)
- Bench Shirts (1)
- Deadlift Suit (1)
- Knee Sleeves (13)
- Knee Wraps (6)
- Mouthpiece (2)
- Shin Guard (1)

IPF Approved Gear

Most Popular This Week

| Product | Price | Reviews |
|--|----------|---------------------|
| Inzer Advance Design Inzer Forever 10mm Lever Belt | \$140.00 | ★★★★★ (351 reviews) |
| SBD Apparel SBD Knee Sleeves - Black & Red | \$106.00 | ★★★★★ (241 reviews) |
| Notorious Lift Notorious Lift Sumo Sole Gen 2: Stealth | \$89.00 | ★★★★★ (6 reviews) |
| Inzer Advance Design Inzer Forever 10mm Prong Belt | \$140.00 | ★★★★★ (117 reviews) |
| SBD Apparel SBD Wrist Wraps - Burgundy w/White - Phoenix Range | \$57.00 | ★★★★★ (1 reviews) |



- Platform like Shopify
- Use custom connectors for integration
- Right tool for the right job

Tip: Don't Pay Retail...



- Often there are promotions and incentives
- Consider educational and non-profit pricing
- ENGAGE with Microsoft Sales

Questions about Licensing or specific scenarios: Partner Community

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Pricing, Licensing & Incentives

Read up on the latest pricing, licensing and incentive information. Ask questions, ...

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✓ **WE NEED YOUR FEEDBACK - Biz Apps MPC: Dynamics 365...**

by RachelP **MODERATOR** on 06-15-2021 10:32 AM • Latest post on 07-08-2021 08:35 AM by RachelP **MODERATOR**

2
REPLIES

107
VIEWS




Join and share the Business Applications May Partn...

by OliTay **EMPLOYEE** on 05-03-2021 02:59 PM • Latest post on 06-01-2021 07:17 AM by Marcel_Altena

4
REPLIES

102
VIEWS




Dynamics Corner

by JasonD **MODERATOR** on 10-26-2020 12:27 PM

0
REPLIES

303
VIEWS



✓ **Licensing Resources & Business Applications MPC Gu...**

by OTaylor **MODERATOR** on 04-22-2020 03:21 PM • Latest post on 07-28-2021 01:32 AM by Yukio_Hayashi01

14
REPLIES

1498
VIEWS

Top Kudoed Posts

| SUBJECT | KUDOS COUNT |
|--|-------------|
| Pretty handy Licen sing Matrix | 15 |
| Re: Dynamics 365 Cloud Migration p romotion and ret... | 9 |
| Re: Dynamics 365 | |

Parting Thoughts



Photo by [Towfiqu barbhuiya](#) on [Unsplash](#)

- Is portals licensing expensive?
- Consider ROI on portal usage vs not (Case Management)
- Consider traffic, might be lower than you think
- Alternatives
- Running a portal is a cost of business
- **DON'T SHOOT THE MESSENGER!**

Questions?



365
Saturday



POWER COMMUNITY