

Create your own Chocolatey Caching Host for \$7 a month

So, you want to operate a Chocolatey proxy and caching server. Well, you're in luck as we happen to know of a great product that is free to use for this type of need. [ProGet](#) installs in minutes and has a powerful free version with a *lot of great features* that you can upgrade when ready.

[ProGet](#) is a Self-hosted, Cross-Platform Package & Container Repository that keeps all your packages in one place, allowing you to scan for vulnerabilities and control who can access different feeds. It also will provide a proxy and caching agent for the public Chocolatey repositories.

Avoid Rate Limiting from [Chocolatey.org](#)

[Chocolatey.org](#) has [strict rate-limiting policies](#), which means you may start receiving that dreaded "429 error" in the middle of deploying or upgrade packages.

You can prevent these errors by [caching Chocolatey packages in ProGet](#) so that your package deployment will not be interrupted.

It takes about 10 minutes of your time to get a fully deployed system going and ready to cache Chocolatey Packages.

The first thing you want to do is get a Linux box with Docker deployed in the cloud, you can do it locally if you have the space and bandwidth. I personally like [Digital Ocean](#), its super quick and easy to get "droplets" up and running and its cheap.

In Digital Ocean create a new droplet, give it the bare minimums to start, you can always resize it as needed. Select the marketplace and then the Docker-Ubuntu image and then select the basic shared CPU and the minimal CPU size which at current prices is running 1 cent per hour or about \$7 a month.

OS **Marketplace (258)** Snapshots Custom images

🔍 Search keyword

Recommended for you



WordPress 6.1.1 on Ubuntu... [Details](#)



Plesk 18.0.54 on Ubuntu...



Docker 23.0.6 on Ubuntu... [Details](#)



LAMP on Ubuntu 22.04

Choose Size

Droplet Type

SHARED CPU

DEDICATED

Basic
(Plan selected)

General Purpose

CPU-Optimized

\$7.00/month

\$0.010/hour

Now once you have it running, use the console feature to access shell of the Ubuntu system as the root user.

vCPU / 50 GB Disk / NYC1 - Docker 23.0.6 on Ubuntu 22.04

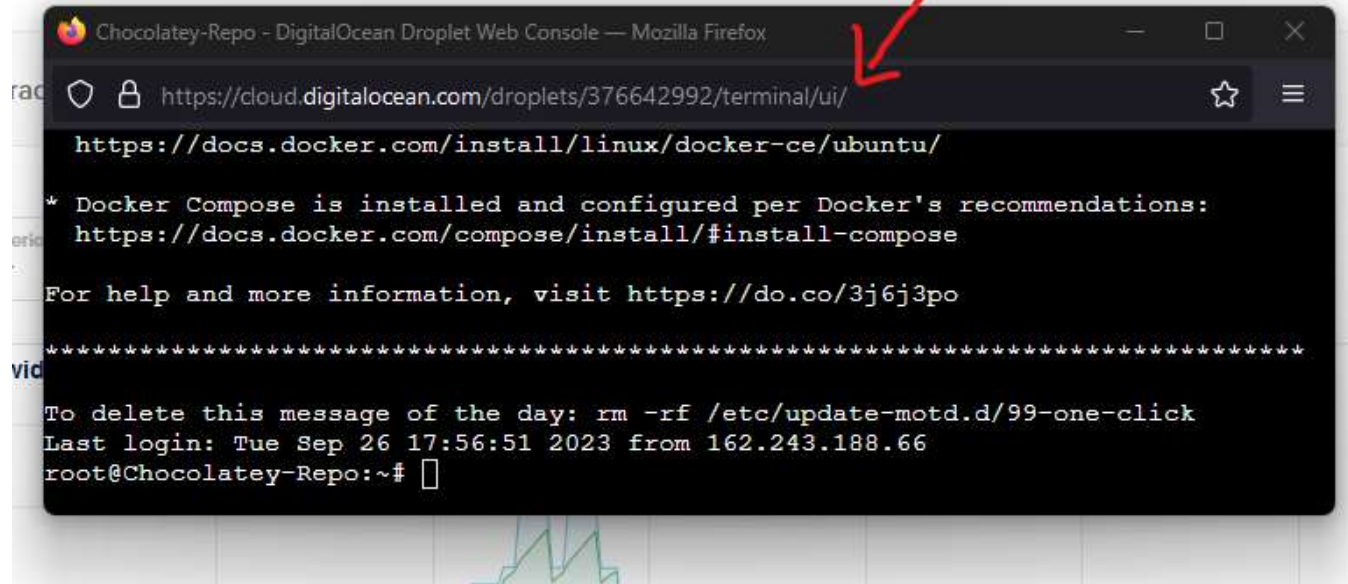
 Get started

ipv6: [Enable now](#)

Private IP: 10.116.0.2

Reserved IP: [Enable now](#)

Console: 



Create a Network

First, you'll need to create a network for the SQL Server and Inedo Product containers to communicate.

```
docker network create inedo
```

Create the Database

Inedo products requires an SQL Server database. You can either host this database externally or simply [use an SQL Server Docker image](#); it doesn't matter how it's hosted, as long as your instance can access it. Make sure to change the password in the following commands («YourStrong!Passw0rd») to something else.

To start an SQL Server container on the `inedo` network you created, use this command:

```
docker run --name inedo-sql \
-e 'ACCEPT_EULA=Y' -e 'MSSQL_SA_PASSWORD=*«YourStrong!Passw0rd»* \
-e 'MSSQL_PID=Express' --net=inedo --restart=unless-stopped \
-d mcr.microsoft.com/mssql/server:2019-latest
```

Once you have an SQL Server instance running, you'll need to create an empty database.

Example: ProGet SQL Server Database

To create a database called `ProGet` on the SQL Server instance running in the **inedo-sql** container:

```
docker exec -it inedo-sql /opt/mssql-tools/bin/sqlcmd \  
-S localhost -U SA -P '*«YourStrong!Passw0rd»'* \  
-Q 'CREATE DATABASE [ProGet] COLLATE SQL_Latin1_General_CP1_CI_AS'
```

Start: ProGet Server

```
docker run -d --name=proget --restart=unless-stopped \  
-v proget-packages:/var/proget/packages -p 80:80 --net=inedo \  
-e PROGET_SQL_CONNECTION_STRING='Data Source=inedo-sql; Initial  
Catalog=ProGet; User ID=sa; Password=*«YourStrong!Passw0rd»'* \  
proget.inedo.com/productimages/inedo/proget:latest
```

Afterwards you should have a generic ProGet web proxy running and it will need configuration to secure it and turn it into a proxy and cache server.

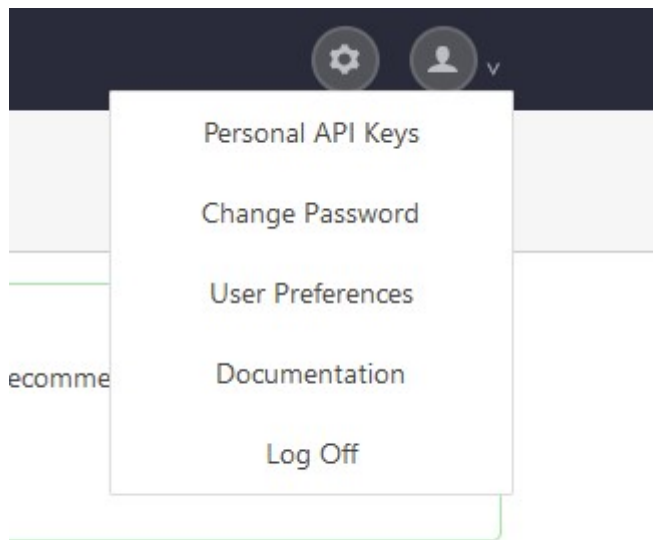
Open a web browser and go to the external IP address of the new droplet. (<http://123.123.123.123>)

Acquire a License Key

You'll need to have a valid license key once you get your Inedo product running. You can request a license key within the software itself, or use a license key that you already have, or request one from my.inedo.com.

The standard free version requires a KEY, it will acquire the key directly when you register it.

There will be some online instructions that you can follow but the big take away is first thing to do is secure the web portal. By default, it has permissions set to allow anonymous users the ability to manage the web, add users and all that good stuff. It allows you to quickly get into system and start pushing buttons but it's really poor security wise so we need to fix that first.



can go to Admin > Advanced Settings

At the top find the account menu drop down, select it and select to change password.

The default password is **Admin** and is case sensitive.

Next remove the Anonymous User access to admin side, you can choose to run a public proxy (no user required) or add one or more users to the web site and then remove Anonymous from public access (read only)

Select the (Gear) then select **Manage Security** menu item. Once that opens select the tasks and permissions tab to get to the permissions rules.

Administration > Security >

Tasks / Permissions

Domains / User Directories Built-in Users & Groups API Keys **Tasks / Permissions** Test Privileges

Need More Granular Tasks/Permissions?
The built-in security tasks are a good starting point, but as you expand ProGet within your organization, you can customize these by hovering over the "Test Privileges" drop-down button then clicking "Customize Tasks".

Tasks / Permissions

Name	Scope	Users & Groups
<u>Administer</u>	all feeds	Administrators
Manage Feed	No principals have permissions or restrictions for this task.	
Manage Projects	No principals have permissions or restrictions for this task.	
Promote Packages	No principals have permissions or restrictions for this task.	
Publish Packages	No principals have permissions or restrictions for this task.	
<u>View & Download Packages</u>	all feeds	Anonymous, chocouser

Lastly, we need to create a feed. This feed is simple to create, we select from the feed menu to create a new feed.

Feeds

Feed type: any Feed group: any

Feeds Connectors Replication

Name	Packages	Total Versions	Downloads	Feed Type
public-chocolatey	6	6	0	Chocolatey

Create New Feed

It will be populated with several feed types, select the Chocolatey Feed type.

System & Software Configuration



Chocolatey Packages

Manage third-party Windows software by wrapping installers and more into Chocolatey packages, and connect to Chocolatey.org and other feeds.



A PowerShell script that can be run on Windows and Linux to connect to a Chocolatey feed.



RPM Packages



In the prompt select **Connect to [Chocolatey.org](https://chocolatey.org)**

Let's Create a Chocolatey Feed

First, select the primary source for packages in this feed. This will create a "connector" on the feed that you can change later. After that, you'll name the feed and select features to use.



Connect to Chocolatey.org

Connect to Chocolatey.org to cache and filter free/open-source packages.

Connect to a ProGet Feed

Aggregate or promote packages across feeds, or connect to another ProGet server to replicate or migrate packages.

Connect to Another Feed

Connect to a different public or private Chocolatey feed to import or cache packages.

No Connectors (private packages only)


This will create an empty Chocolatey feed where you can upload/publish packages. You add connectors later.

Cancel

At the next prompt select “No- just one feed” this is for ease of use as it will only hold what you requested to install as cache.

Do you want to create a Package Approval Workflow?

A package approval process is like code review, but for free and open-source packages. This will give you full control over the packages you're using, but requires that you promote packages from an "unapproved" feed to an "approved" feed.



No, Create One Feed

Recommended for first-time ProGet users, this will create a single Chocolatey feed. You can create an approval workflow later.

Yes, Create Two Feeds

This will create an "unapproved" and "approved" feed that you can promote packages to.

« Back

Cancel

Lastly give your feed a name.

Name your Chocolatey Feed

A name can only contain URL-friendly characters as the name will be used in an "Endpoint URL" for API (programmatic) access. You can rename a feed later or create "alternate names" as needed.



Feed name:

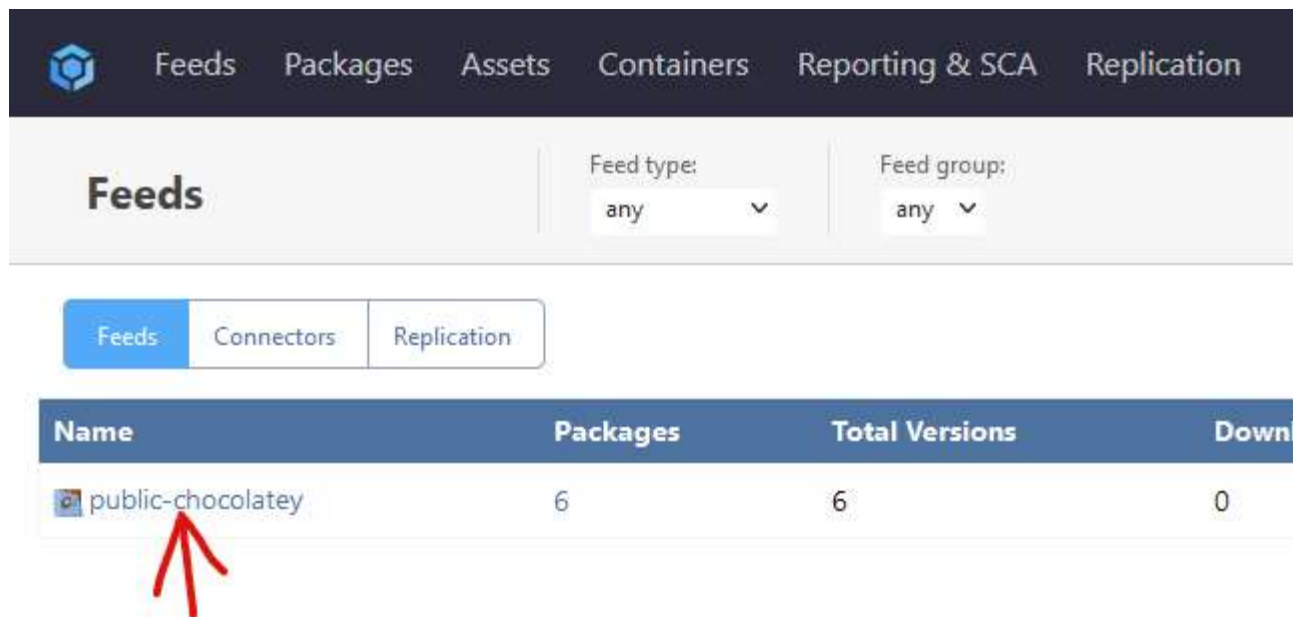
« Back

Create Feed

Cancel

To find your feed URL (address) go to feeds view and click on your new feed.

The screenshot shows the ProGet web console with the 'Feeds' tab selected. At the top, there are navigation links: Feeds, Packages, Assets, Containers, Reporting & SCA, and Replication. Below the navigation bar, there are filters for 'Feed type' and 'Feed group', both set to 'any'. A sub-navigation bar contains 'Feeds', 'Connectors', and 'Replication'. The main content area displays a table with the following data:

Name	Packages	Total Versions	Down
 public-chocolatey	6	6	0

A red arrow points to the 'public-chocolatey' feed name in the table.

Your feed URL will be displayed at the top right side of the feed view.

The screenshot shows the ProGet web console with the 'Feeds' tab selected. The 'public-chocolatey' feed is selected, and its details are displayed. At the top right, there is a red arrow pointing to the 'API endpoint URL' field, which contains the URL: `http://[redacted]/nuget/public-chocolatey/`. Other fields visible include 'Search Packages:' and 'Count: 25'.

This is the URL you will use as a source for all Chocolatey packages. When a request comes into this feed the system will look in cache and see if the package is there. If not, it will proxy the request on to Chocolatey to capture package manifests and such. You can look at feed to determine how much it's being used and how many packages it has cached, all from inside the web console of ProGet.

Read more on how to create and host your own Line of Business apps.