

# Working with the Basics of Artifactory



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# Demo



**Dive right in with Artifactory**

**Creating an account**

**Take the UI for a spin**

**Get our new repo into our tools**





# Why Tokens Matter



# Why Not Username and Password?

**A token is a string of text, just like a password**

**Why not just use username and password?**

**A token is a password...**

**But a very, very good one**

**Length alone beats every other consideration**

**Tokens are better**

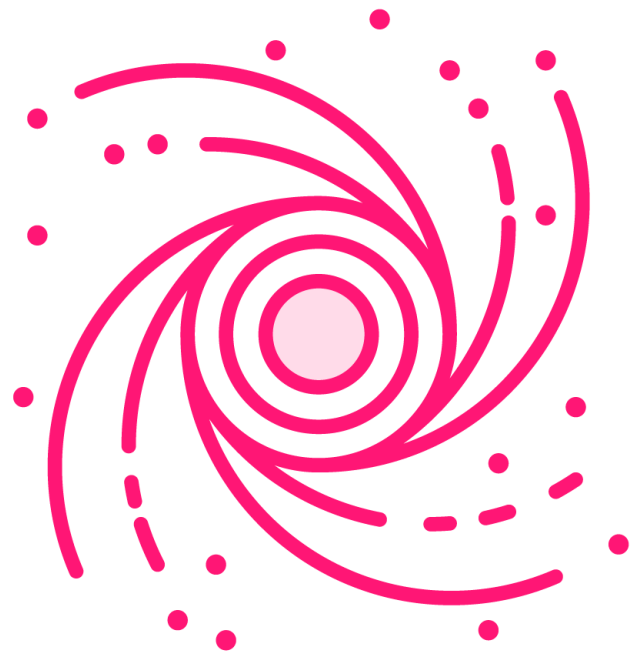




# Why We're Seeing Packages



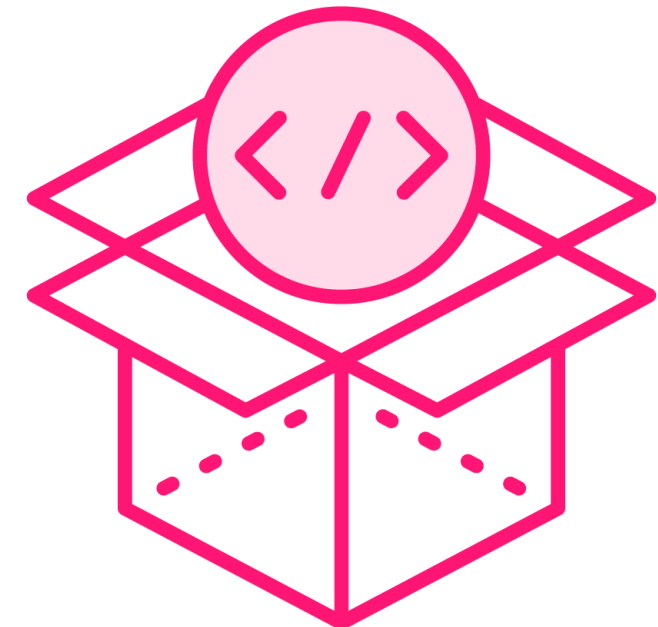
# The Package Request Model



**A near-universal  
model**



**I don't feel like writing  
code for this problem**



**So, I find a package  
that does it for me**



**We saw GET requests in  
the demo**

**The server responds with  
the package**

**Downloaded, referenced,  
and away we go**

**All using the default  
package manager for the  
package type**

**Now, our build will reach  
out for the packages**

**What happens if it can't  
reach it?**



# The Availability of Package Feeds

Feed	Uptime for previous year
npmjs.org	99.99%
nuget.org	100%
pypi.org	99.99%





# A Downstream Package Feed

**Don't use public  
feeds directly**

**It will look to  
Artifactory first**

**And then to  
nuget.org**



# Upstream/Downstream

*Downstream  
package feed*

**Look to the local  
repository first**

**This protects  
against dependency  
confusion**



**Artifactory acts as a downstream package feed that protects you against downtime and dependency confusion.**



# Deployment and Pricing Models



# Three Models



**Cloud**



**Public marketplace**



**Self-hosted**





# Cloud and Marketplace Pricing

**Pro, Enterprise X,  
Enterprise+**

**Mostly driven by  
bandwidth**

**\$150, \$750, and  
give us a call**



# Self-hosted Pricing

**\$3500 for Pro**

**\$21,500 for Enterprise X**

**\$43,500 for Enterprise+**

**This is *annual* pricing**





# **The Artifactory CLI**



# Why the CLI Matters



We got a taste of what we need for the build

I'm a 5% kind of guy

That 5% gives you control

Generally, we want to keep the integrity of a package feed intact

But sometimes, you just gotta remove a package



# Demo



**Look at install options for the JFrog CLI**

**Configure url and authentication**

**Delete a package**

**Look at a more advanced way of working  
with the API**





# Summary



**Creating an Artifactory account**

**How Artifactory works as a downstream package feed**

**The deployment and pricing models of Artifactory**

**Some work with the JFrog CLI and Artifactory**

