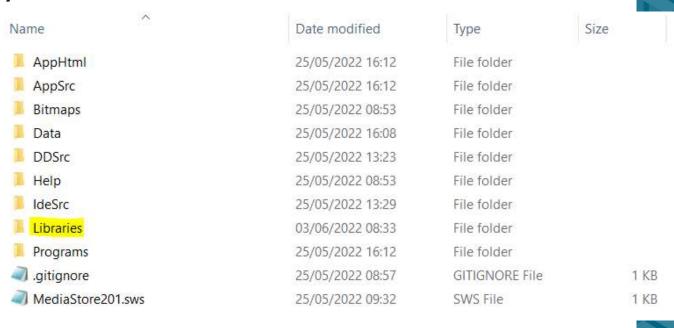


What does our library landscape look like?

- > You download them from whoever's developers website.
 - > DataAccess.com/*
 - > vdf-guidance.com
 - > Github.com or others...
 - > Forum links...
 - > Even email!..
 - And, many more...

Where do I leave them?

- > A Libraries directory
 - > Local
 - Global
 -) Git submodule



What is the problem with this?

- Hard to manage your projects
 - > Keep them updated, which doesn't happen in most cases
 - Where can I even find that update though?
 - > When will I ever get a notification on this unless I look?

Going even further

- Should you even update, won't it break my whole product?
 - You don't have tests to verify the dependency on the library
 - The library does not have any tests to verify it's functionality in the first place

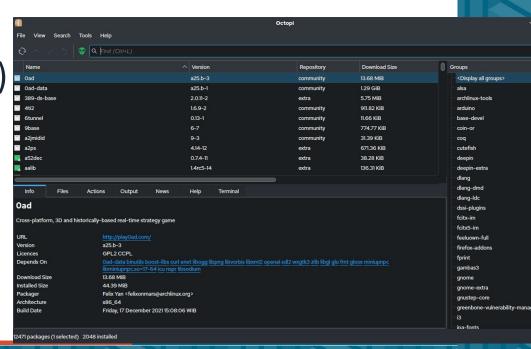
So, always the "trust but verify" applies... and that's what's makes it hard.

How is this solved?

- > By slowly creating a new library-based ecosystem, by developers, for developers!
- A tool that will help you;
 - Manage your workspaces;
 - Manage your libraries, and update them if you want to;
 - > Provide a central place for (OSS) library distribution

What does the sector look like?

- > Npm (JavaScript, TypeScript)
- Cargo (Rust)
- Chocolatery, winget (Windows)
- Homebrew (Linux, MacOS)
- > All the -nix stuff!



Goals

- Collect as many Dataflex packages in one place, enabling far easier distribution to end-users.
- Allow end-users to download said packages in an easy and user-friendly way.
- Allow packages to be automatically updated if required, without overwriting files the user may have changed themselves.

This is what the package manager will do!

- It can install/remove libraries;
 - > From a global or local location on your own hard drive;
 - > From that central storage location that is somewhere in the cloud;
 - > By name e.g. DA/QuillEditor:1.0, DA/DFReports:latest
 - Where you guys should be able to post your libraries for years to come
 - > From a version control system like any git-based service provider like GitHub

What are our priorities?

- > First priority:
 - > Web Controls
 - > DLLs
- > For later:
 - COM components
 - Tables/Migration & Templates

Docker-like notation

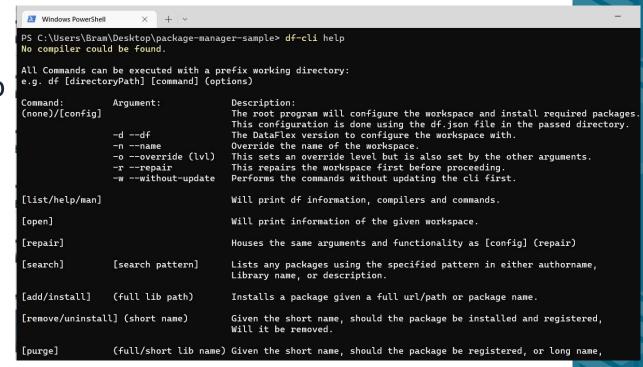
- > {Repository}/{Package}{:version}
- > Easy to use
- > Both personal and public
 - Shared access like for organizations
- > Version layering
 - > Latest
- > Promoted/Verified without repository

Security

- > We automatically scan for viruses and malware!
 - > Happens every on every push.
- > Verified publishers

That's how df-cli (Concept) was born!

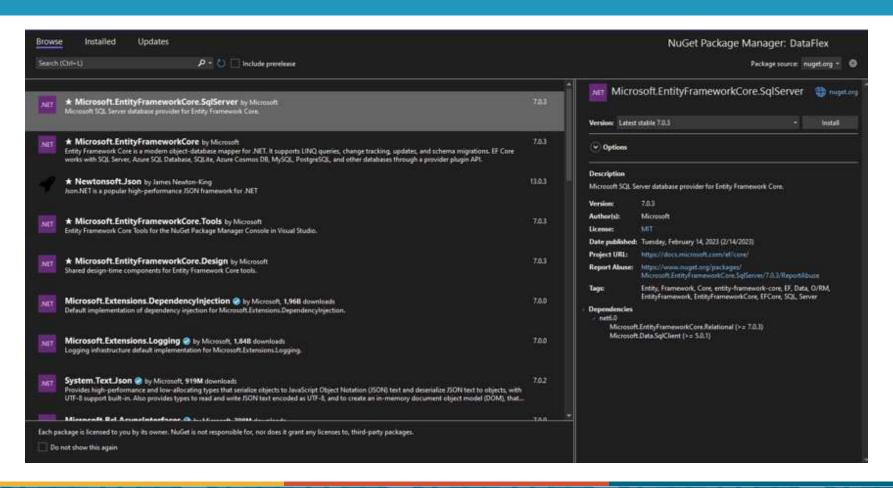
- Console only
- > With a UI in the works
 - Integrated in the Studio
 - > DAID



This is what the df-cli will do!

- It can generate all your workspace related files like .sws', .ws', .webconfigs, index.html's.
 - To accommodate for JavaScript requiring libraries.
 - > Will stay backwards compatible with your workspace files!
- And very important make sure (by checksum) that you didn't change library behaviour, which you would otherwise depend on later
 - And off course also for a sense of safety and stability

It might resemble something like NuGet



Underneath

- > How does it configure my workspace information?
 - Using a new df.json file (might change)
 - > Which abstract all information of your project to one file
- You can change your workspace information in that file
 - Or, by interacting with it using df-cli or the incoming UI-version

