NDS Labs - Developer Support

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Sign-Up / Sign-In

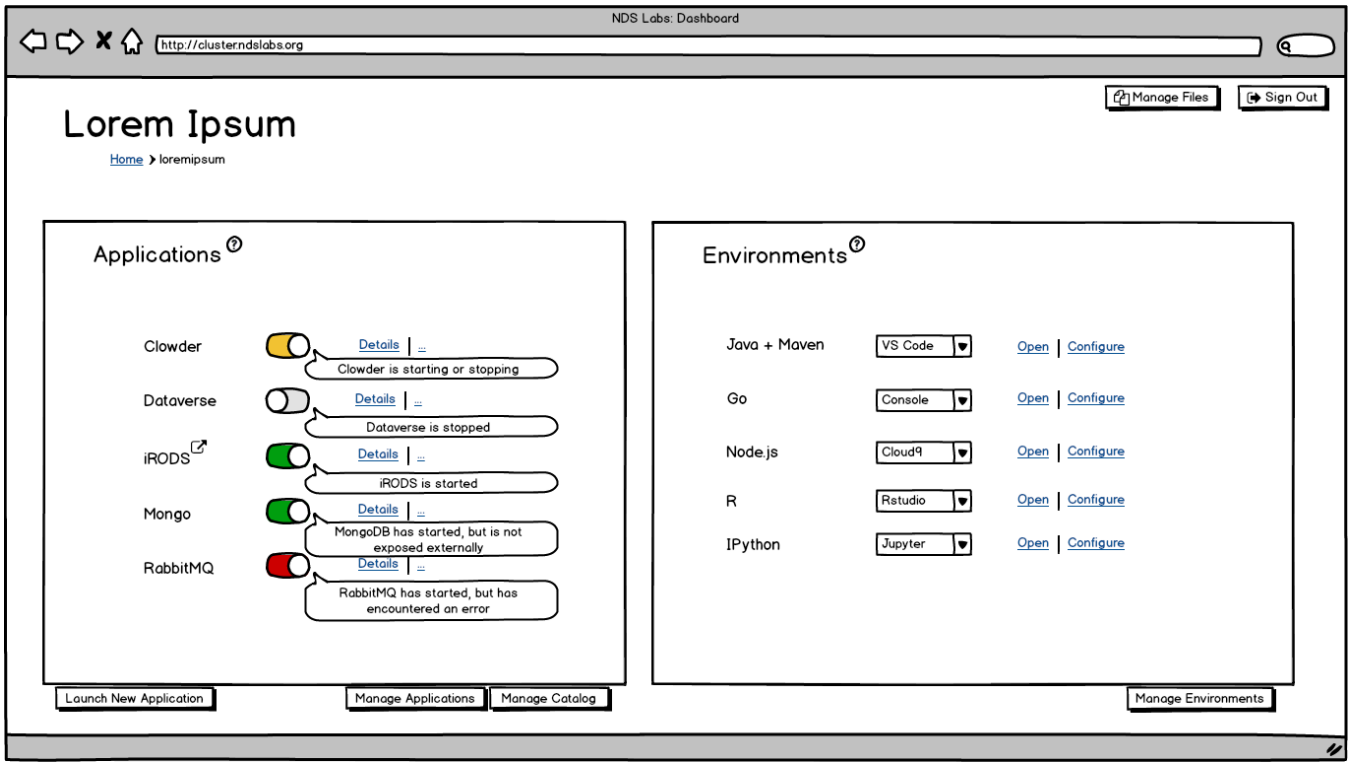
See Developer support in NDS Labs

Dashboard

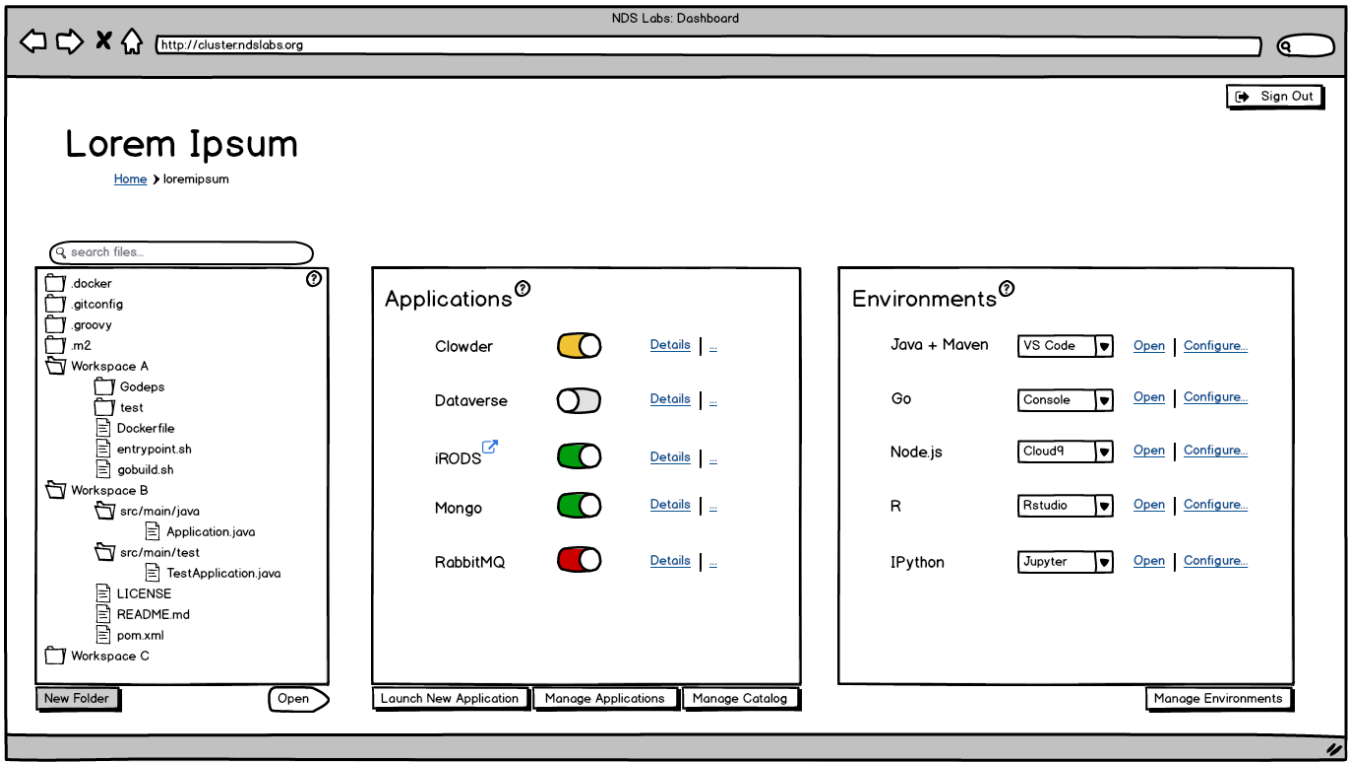
Available functions:

- Manage Files
- Manage Account
- Manage Catalog
- Manage Applications (Stacks)
    - Launch new application (i.e. MongoDB, MySQL, RabbitMQ, Clowder, iRODS, etc)
    - Start / Stop single application
    - Configure single application
    - Navigate to "Manage Applications" view
    - Navigate to "Manage Catalog" view
- Manage Development Environments
    - Choose editor of choice (i.e. VS Code, Cloud9, Rstudio, Jupyter, etc)
    - Open development environment (i.e. navigate to editor of choice)
    - Configure single environment
    - Navigate to "Manage Environments" view

Dashboard w/ External File Manager (i.e. Cloud9)



Integrated File Manager (Optional)



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Environments (DevEnvs)

Available functions:

- Open an existing environment
- View / Edit existing environments

- Choose a pre-built environment
- Create a custom environment
- Mount user directories to environments

Open Environment Instance

Cloud9 IDE

See http://141.142.208.180:6080

VS Code

See http://141.142.208.180:6080

Jupyter

See http://141.142.211.192

Rstudio

See http://141.142.211.192

Other Options

- X11 + IntelliJ / Eclipse / Net Beans / any other linux desktop editor
- Console (vi / emacs / nano / pico / any other command-line editor)
- Codiad (Docker Image available)
- CollIDE (Video here, source is available)
- Eclipse Che (source is available, many Docker Images available)
- Orion (Eclipse, source is available, Docker Image available)
- Dirigible (Eclipse, source is available,Docker Image available)

Fiddles

- There's A Fiddle For That
    - JS Fiddle
    - Go Playground
    - so many more

Non-Options

Non-IDEs

- Firepad.io (simple serverless collaboration tool, source is available)

Extinct (Dead Links)

- ~~Neutron Drive~~ (extinct, but source is available)
- ~~Erbix~~ (JavaScript-only is a bummer, possibly extinct)

Cloud-Only Models

- Codenvy
    - Codenvy Beta - slightly better, no more runners, more like Cloud9
- Cloud9 Hosted
- Koding (they don't host - AWS / GCE only)
- CodeAnywhere (very bare-bones, although FTP support was cool)
- StackHive (not free / not open-source)
- CodeTasty (CSS / HTML / JavaScript-only)
- SourceLair (no test / runtime support, just editing and possibly compiling)
- Visual Studio Online (VERY thorough, but totally feels like a Windows application..t
    - this one even offers project management / planning tools

View Environment Instances

Create new Environment Instance

Configure Environment Instance

Applications (Stacks)

Current Labs dashboard (more or less)

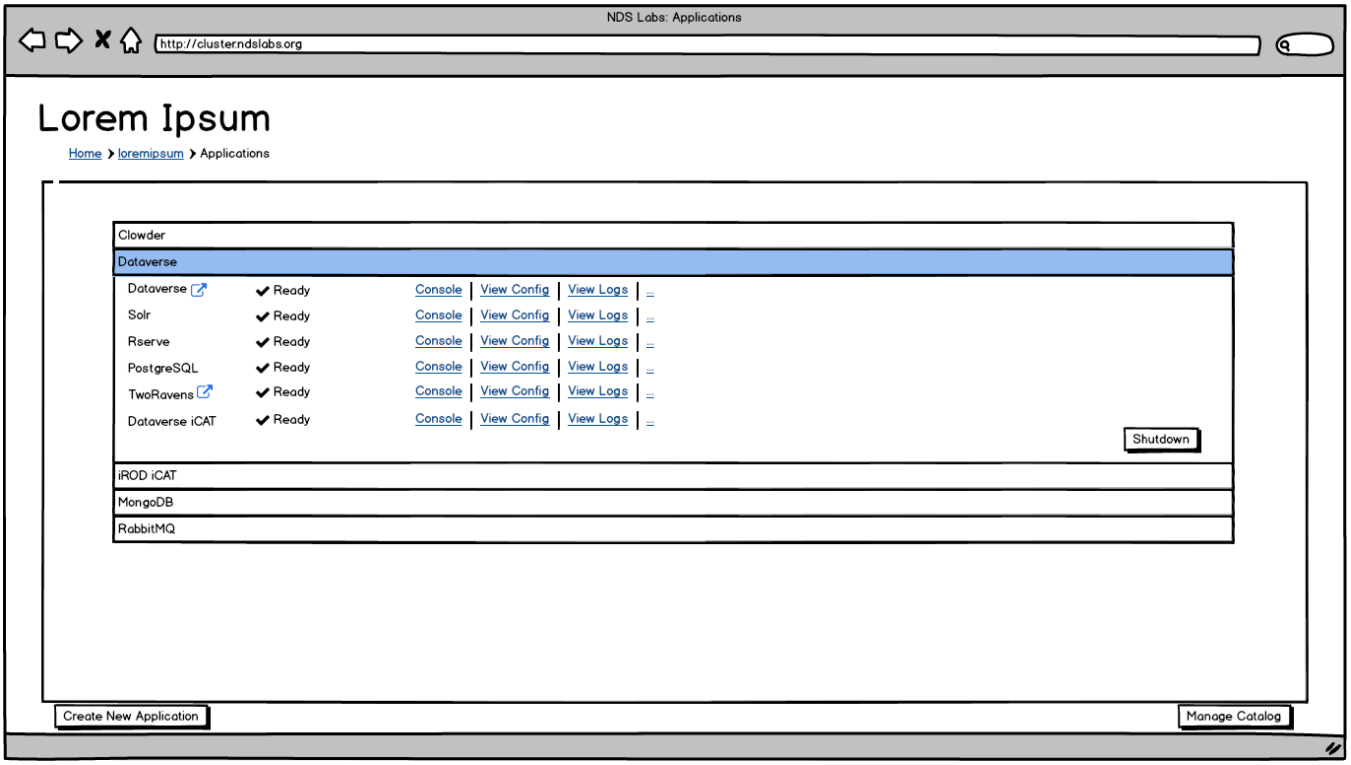
Available functions:

- Search / browse spec catalog for launch candidates
- Launch / configure new stack
- View / edit config of existing stack
- Open a console / logs for a running stack
- ~~Manage volumes~~ (this goes away, dashboard now manages user's volume)
- Delete stack / ~~volume~~

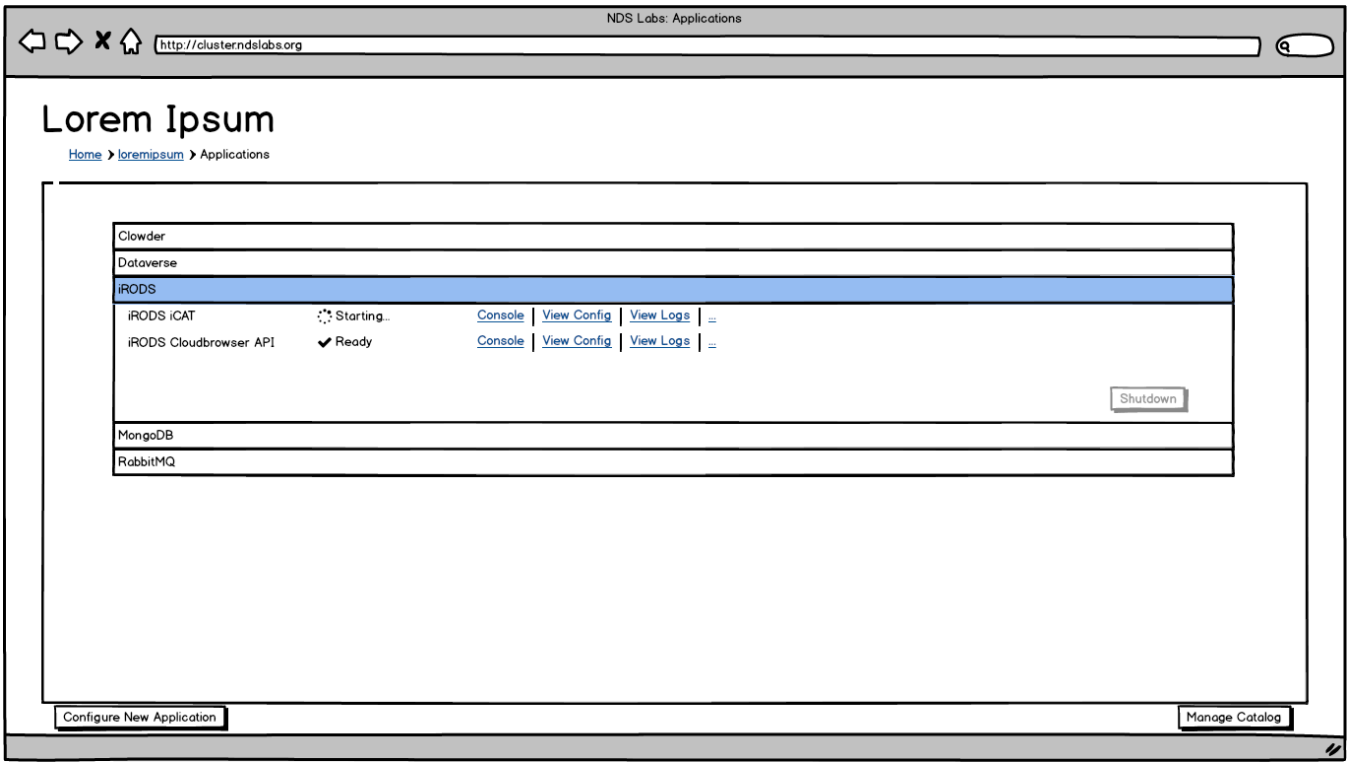
View Applications

Stopped Applications

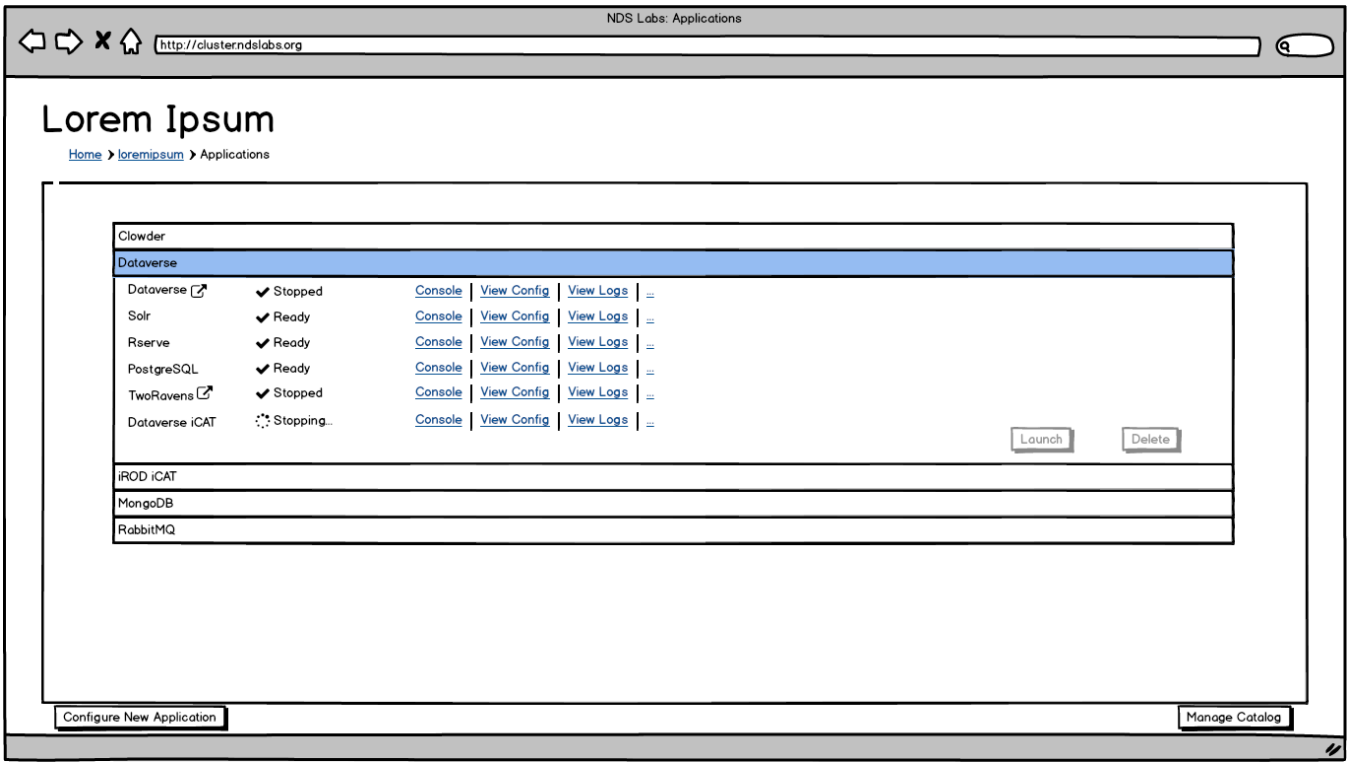
Running Applications



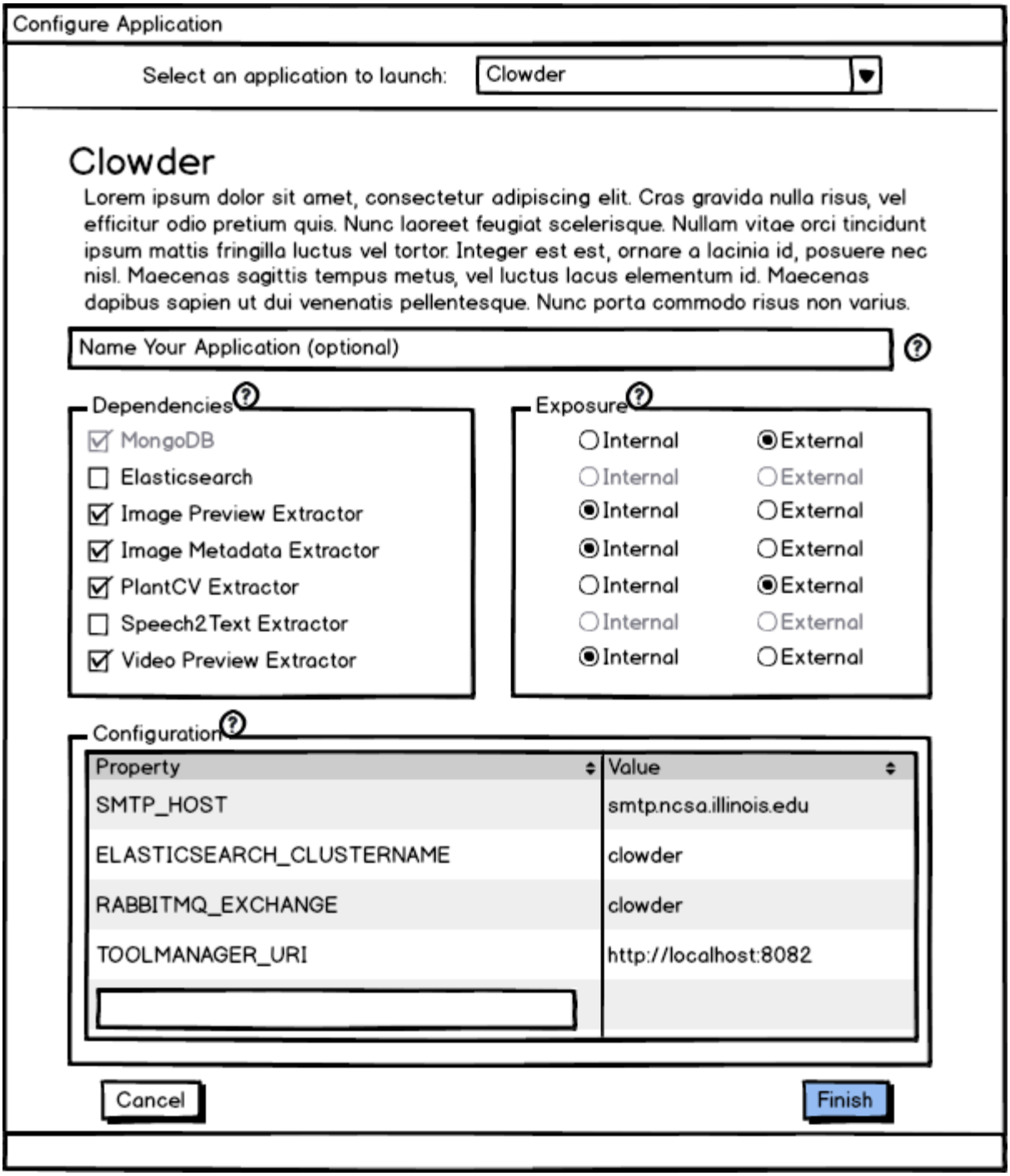
Launch Stopped Application (Start Stack)



Shutdown Running Application (Stop Stack)



Configure (New Application / Edit Stopped Application)

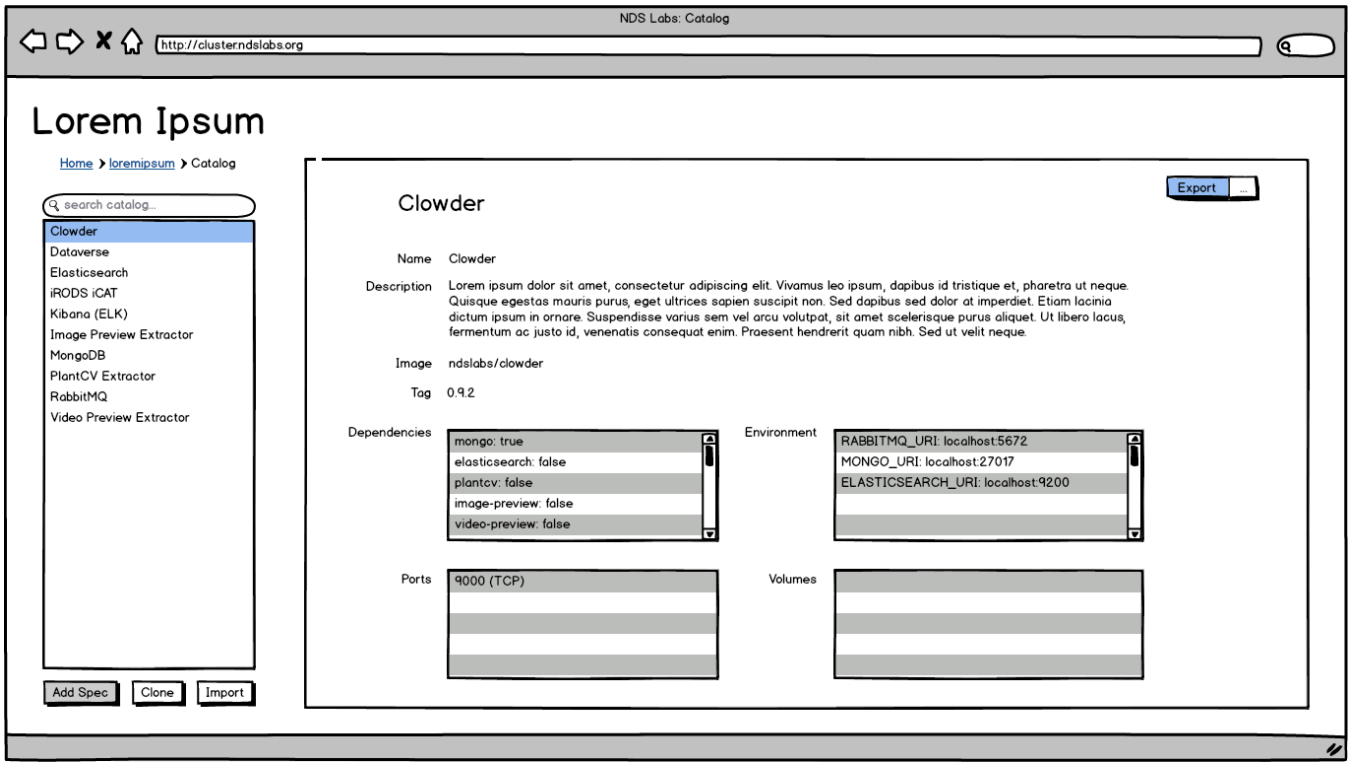


Catalog

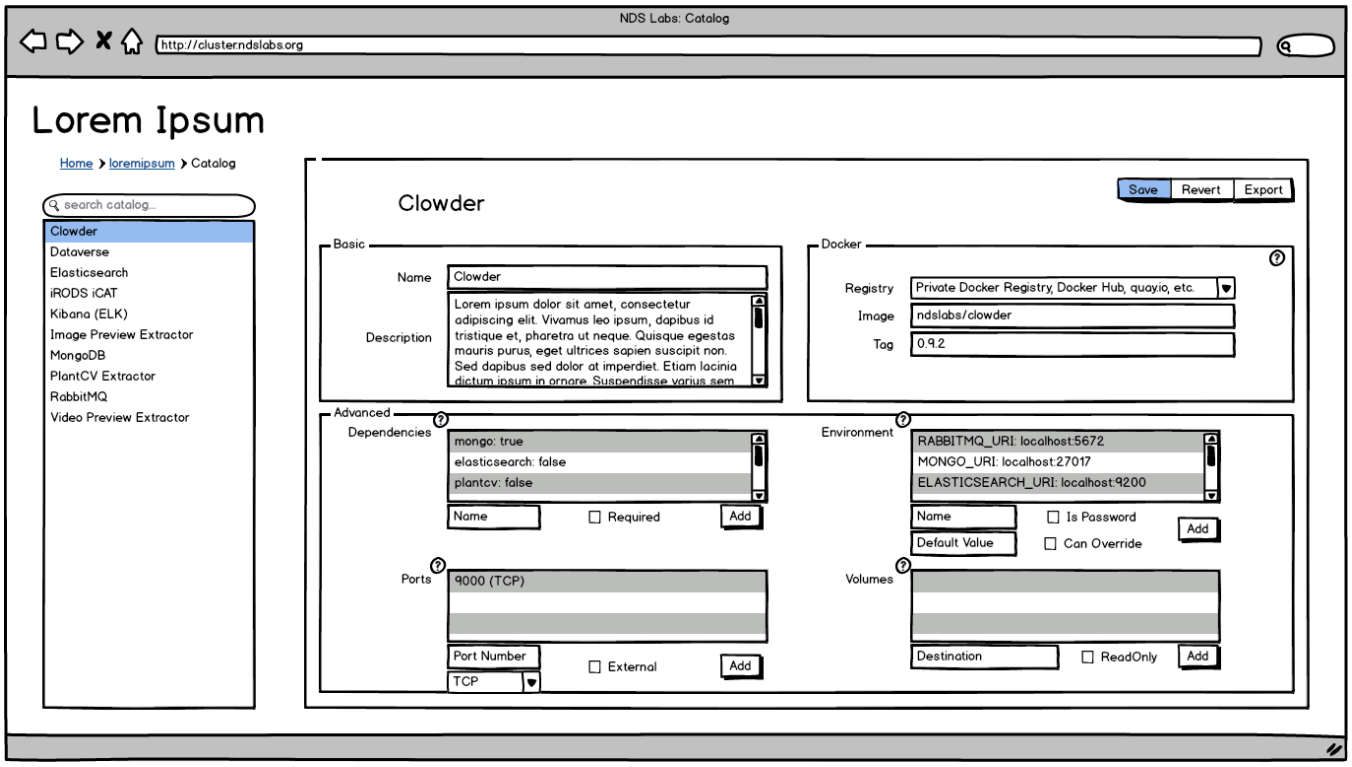
Available functions:

- Browse specs in catalog
  - Select a spec to view verbose detail
  - Add / Import new specs
  - Edit / Share existing specs
  - Clone / Override existing specs

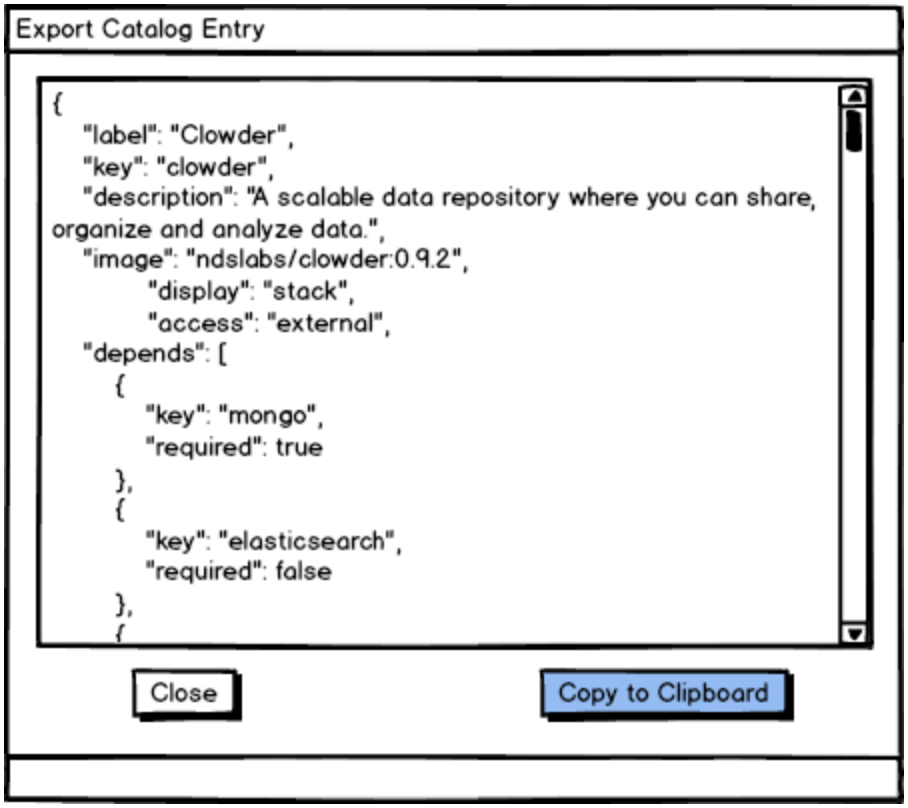
View Catalog Entries



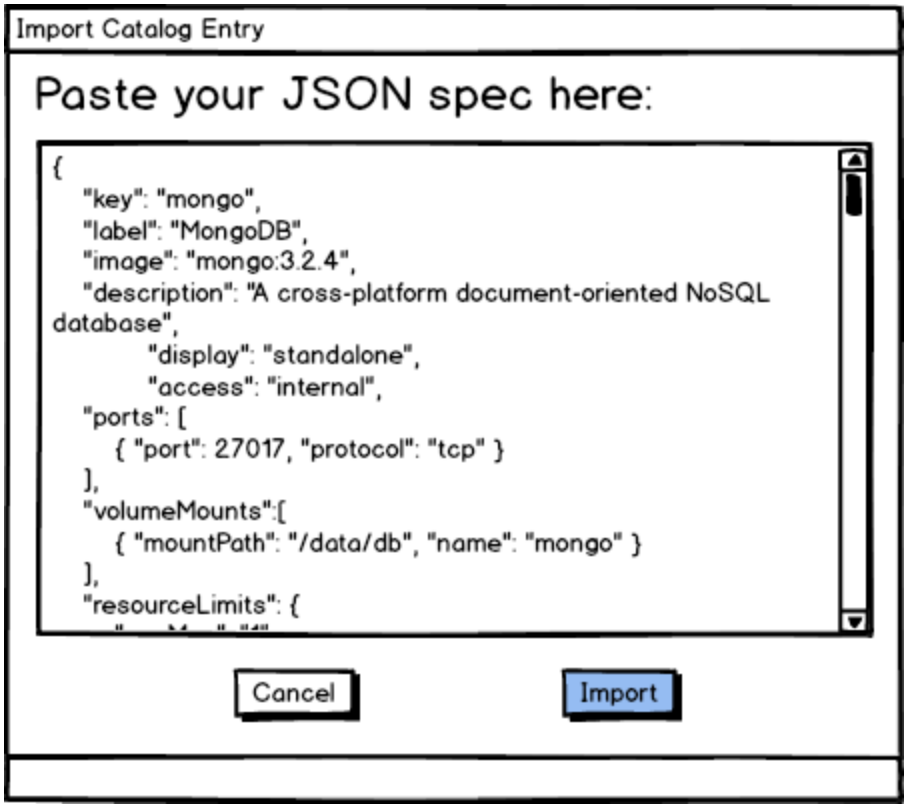
Create / Edit Catalog Entries



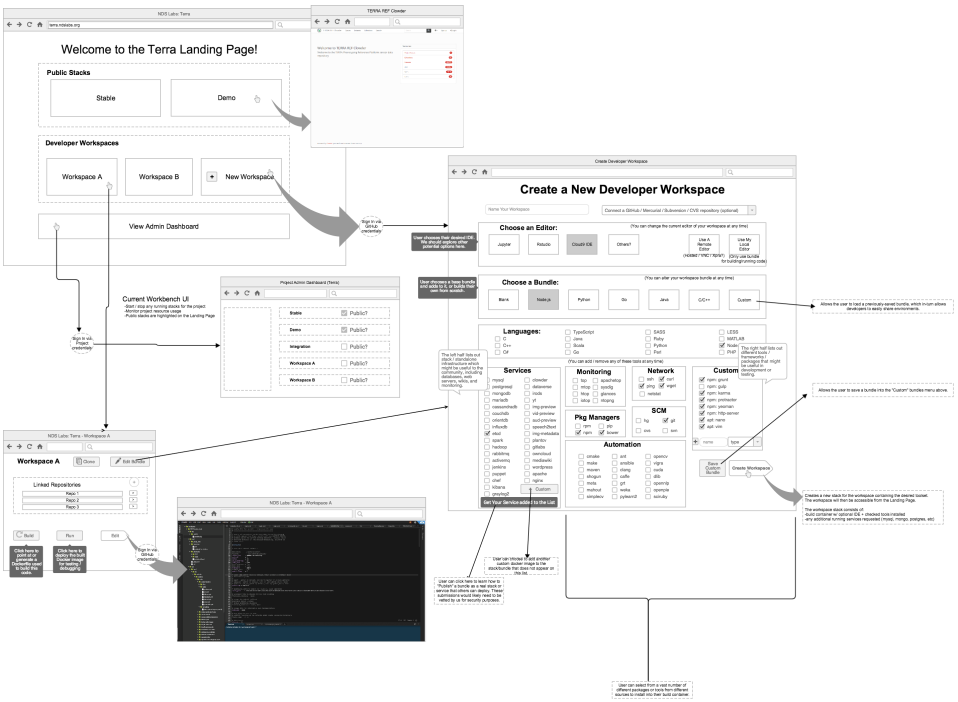
Export Catalog Entry (Share)

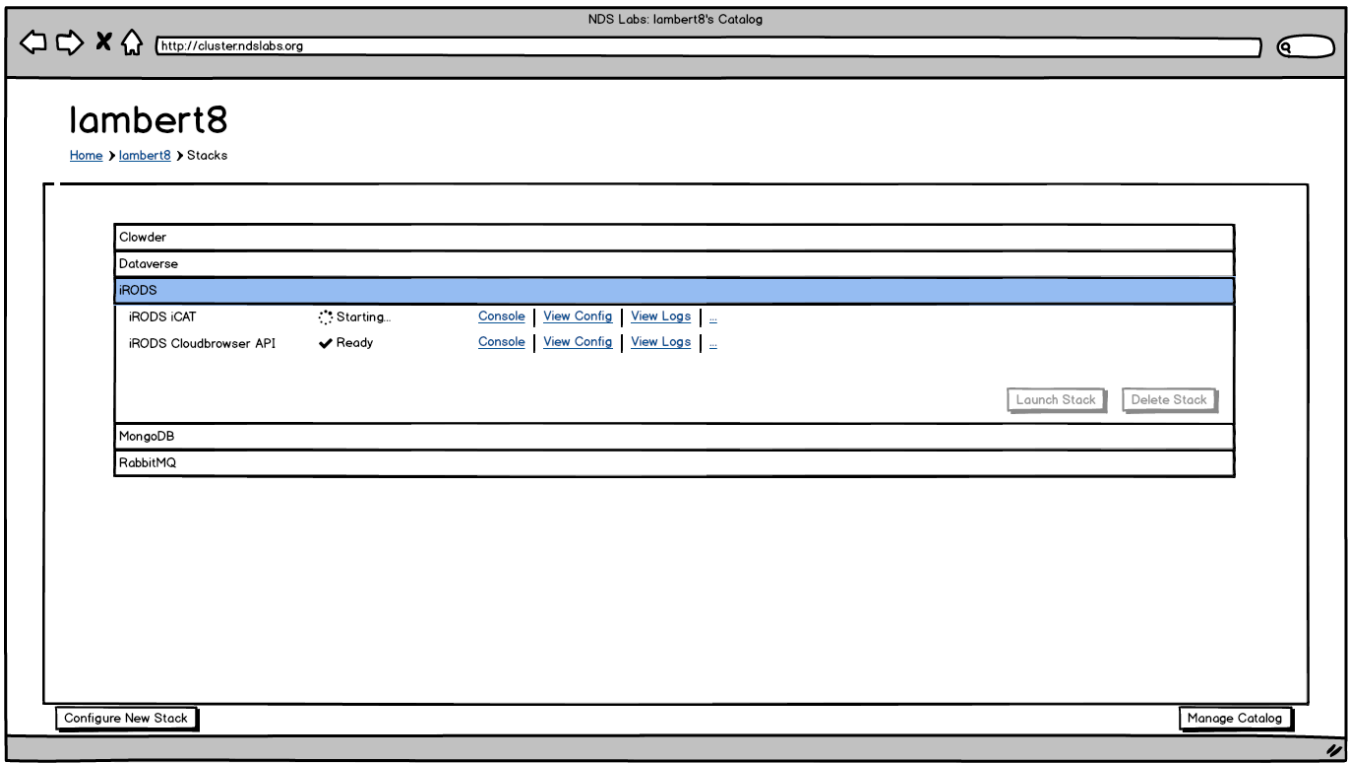


Import Catalog Entry



Historical


Welcome to the Terra Landing Page!
Public Stacks
Stable
Demo
Developer Workspaces
Workspace A
Workspace B
New Workspace
View Admin Dashboard
Create a New Developer Workspace
Choose an Editor:
Choose a Bundle:
Languages:
Services
Monitoring
Network
Custom
Pkg Managers
SCM
Automation


NDS Labs: lambert8's Catalog
http://clusterndslabs.org
lambert8
Home ❯ lambert8 ❯ Stacks
Clowder
Dataverse
iRODS
iRODS iCAT
Starting...
Console | View Config | View Logs | ...
iRODS Cloudbrowser API
Ready
Console | View Config | View Logs | ...
Launch Stack
Delete Stack
MongoDB
RabbitMQ
Configure New Stack
Manage Catalog