NDS Labs - Developer Support

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Sign-Up / Sign-In

See Developer support in NDS Labs

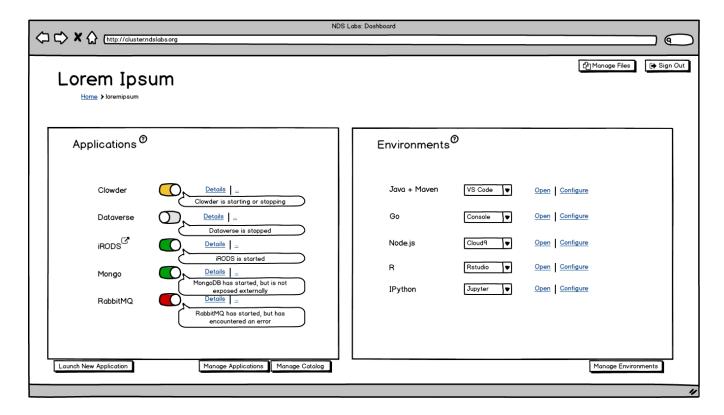
Dashboard

Available functions:

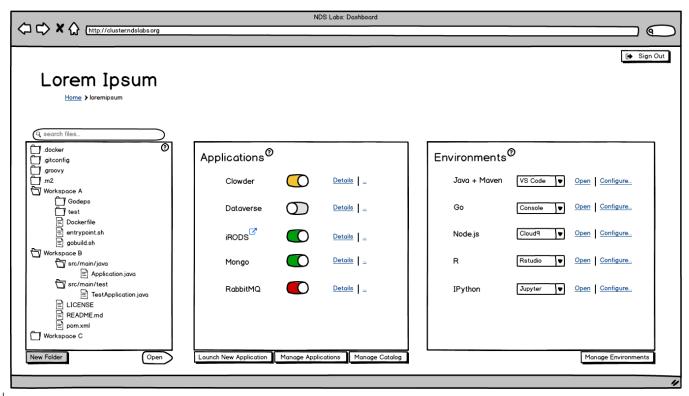
- Manage Files
- Manage Account
- Manage Catalog
- Manage Applications (Stacks)
 - Launch new application (i.e. MongoDB, MySQL, RabbitMQ, Clowder, iRODS, etc)
 - Start / Stop single application

 - 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)
 - O Configure single environment
 - Navigate to "Manage Environments" view

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



Integrated File Manager (Optional)



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
 - O Go Playground
 - o so many more

Non-Options

Non-IDEs

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

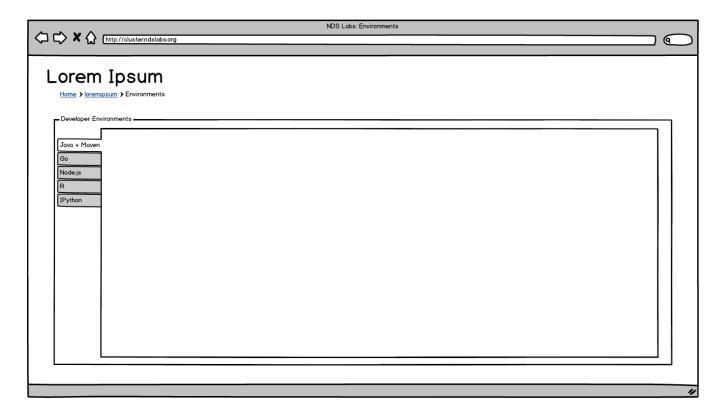
Extinct (Dead Links)

- 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)

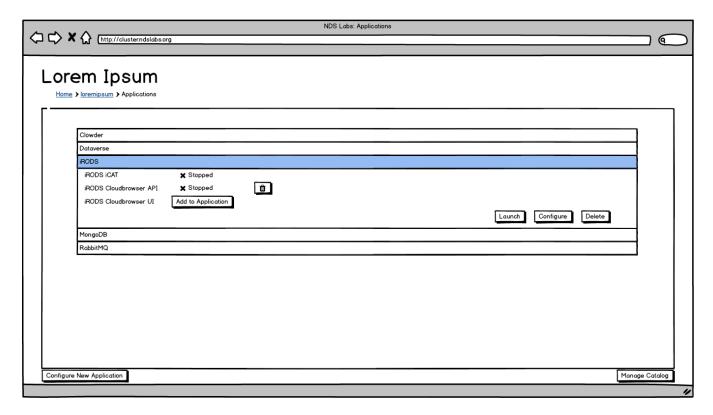
Available functions:

- Search / browse spec catalog for launch candidatesLaunch / configure new stack

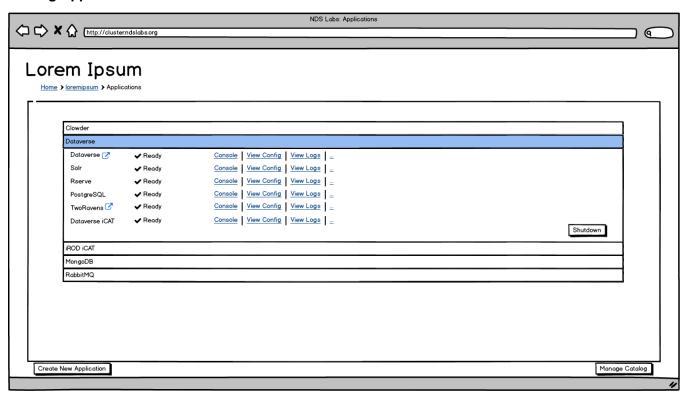
- View / edit config of existing stack
 Open a console / logs for a running stack
 Manage volumes (this goes away, dashboard now manages user's volume)
- Delete stack / volume

View Applications

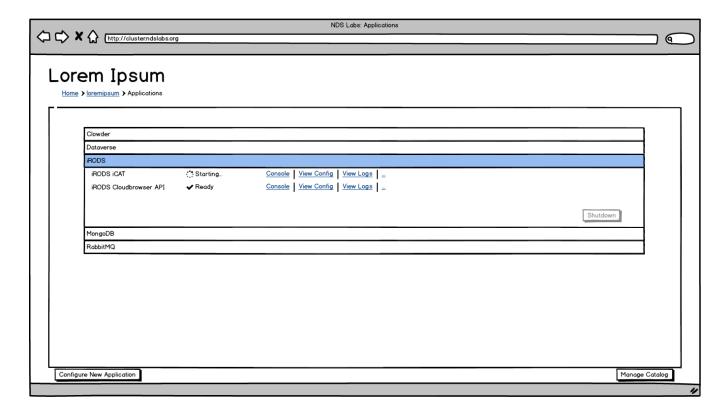
Stopped Applications



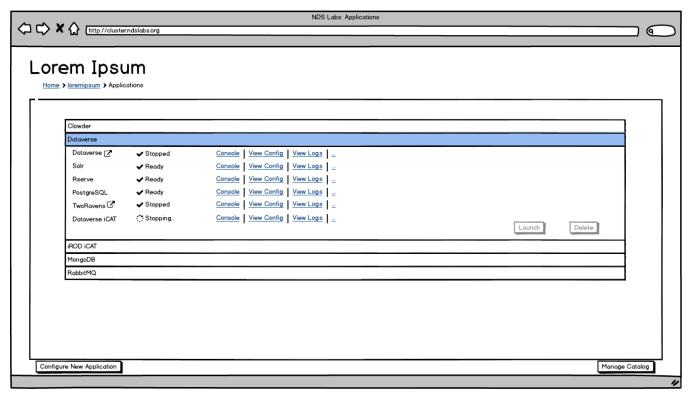
Running Applications



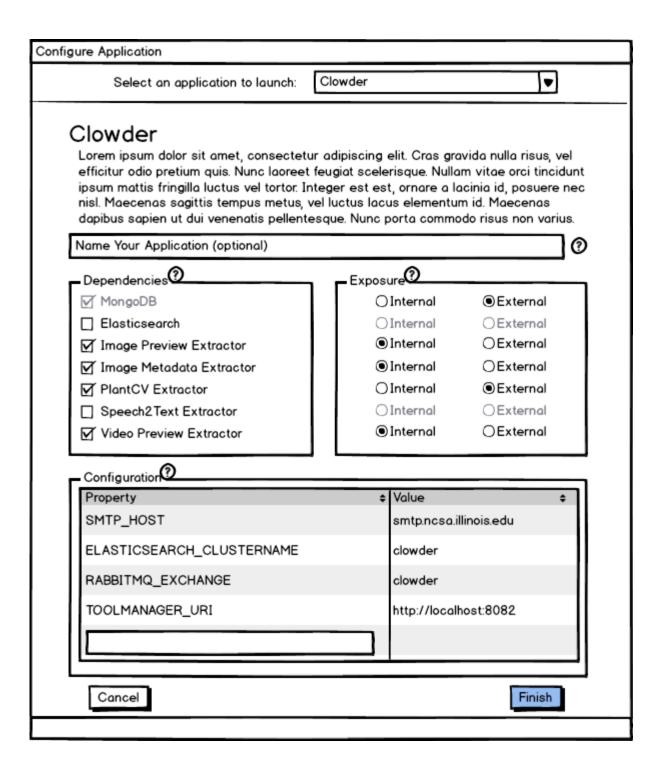
Launch Stopped Application (Start Stack)



Shutdown Running Application (Stop Stack)



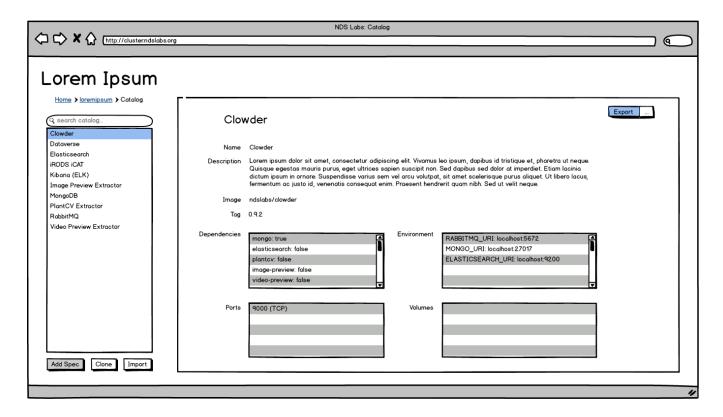
Configure (New Application / Edit Stopped Application)



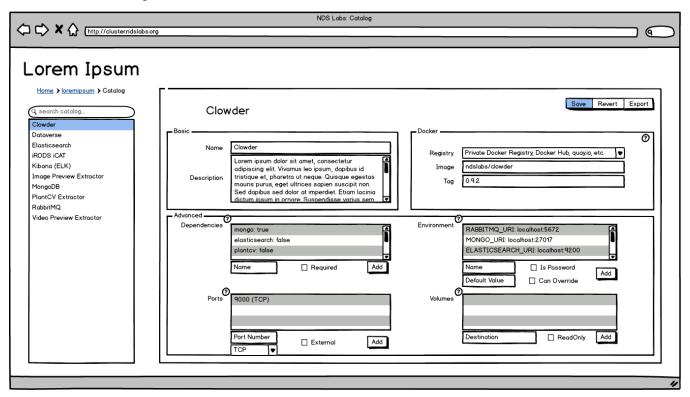
Catalog

Available functions:

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



Create / Edit Catalog Entries



Export Catalog Entry (Share)

Import Catalog Entry

```
Import Catalog Entry
 Paste your JSON spec here:
     "key": "mongo",
     "label": "MongoDB",
     "image": "mongo:3.2.4",
     "description": "A cross-platform document-oriented NoSQL
  database",
          "display": "standalone",
          "access": "internal",
     "ports": [
       { "port": 27017, "protocol": "tcp" }
     "volumeMounts":[
       { "mountPath": "/data/db", "name": "mongo" }
     "resourceLimits": {
                  Cancel
                                            Import
```

