

NDS Services

This page is for both current and potential future services.

For additional technical details on implemented services, see:

<https://bitbucket.org/nds-org/nds-labs/src/68ba7f28b6b2c3569247fb76bf88f6791447a850/README>

Name	Status	Verification Status	Used By	Use Case	Description	Notes
busybox	Implemented				<p>Busybox provides several stripped-down Unix tools in a single executable file. It is lightweight and portable and is specifically created for embedded operating systems with very limited resources. For instance, you can perform most linux commands on Android with Buysbox instead of installing all required files.</p> <p>busybox is docker's core image. To get it type: <code>docker pull busybox</code></p>	
curldrop	implemented				<p>Curldrop is a simple (less than 100 LOC) web application that allows you to upload files straight from your Terminal with curl.</p> <p>curldrop can be found here: https://github.com/xarthisius/curldrop</p>	
devenv	implemented				Development Environment for yt, it's docker image containing everything that's required for yt to run.	
docker-registry-frontend	Implemented	Not Found			<p>The front end to enable browse and modify the Docker registry in the web-browser.</p> <p>docker-registry-frontend, see first line of service file</p>	
docker-registry	Implemented	Not Found			<p>Docker registry is used to push Docker images for storage and sharing.</p> <p>docker-registry: another integral part of docker: <code>docker pull docker/registry</code> (https://github.com/docker/docker-registry) We should probably use v2 instead (https://docs.docker.com/registry/deploying/)</p>	
hublaunch					Hublaunch is basically a devenv designed to either start ipython notebook or run provided python script (usually directly related to yt).	
hipache	Deprecated	Not working DELETE ME			<p>Hipache is a distributed proxy designed to route high volumes of http and websocket traffic to unusually large numbers of virtual hosts, in a highly dynamic topology where backends are added and removed several times per second.</p> <p>Hipache - was a dead end, should be just removed</p>	<p>Can not be built</p> <p>Error Message</p>
irods-icat	Implemented				<p>icat server uses a relational database to organize the content of IRODS zone and to maintain iRODS metadata.</p>	
irods-idrop2	Implemented				A GUI to upload and download files and examine metadata.	
irods-rest	Implemented				Rest API for irods.	
fuse to irods (docker image only)					FUSE (Filesystem in Userspace) is an Unix kernel module that allows non-privileged users to create their own file systems without editing the kernel code.	
kallithea	Implemented				kallithea is a software source code management system. It supports two version control system Mercurial and Git.	
keyrings	implemented				Keyrings is used to store user's login information and it is encrypted with a master password.	
moinmoin	Implemented				MoinMoin is a wiki engine, initially based on the PikiPiki wiki engine.	
nds-explorer	implemented				NDS UI for managing resources and services.	
nginx	implemented				Nginx is a web server with a strong focus on high concurrency, performance and low memory usage.	
owncloud	Implemented				ownCloud provides cloud storage system service. It is pretty much like Dropbox but free and open source.	
postgres-icat	Implemented				A DBMS supported by ICAT database	
postgres-owncloud	Implemented				A DBMS we are going to use on owncloud.	

proxy	Implemented				A simple wrapper around node-http-proxy that adds a REST API for updating the routing table. proxy is specifically 'configurable-http-proxy' https://github.com/xarthisius/configurable-http-proxy	
rabbitmq	Implemented				Rabbitmq is a messaging broker. It provides applications a common platform to send and receive messages.	
rstudio	implemented				Rstudio is an IDE for R.	
scidrive	implemented				Matt/Venkat OS object store	
torch	implemented				torch is scientific framework for luaJIT. http://torch.ch/	
webserve	Implemented	Not Found			It is the template used to launch containers that expose port 80 as a default (most web apps).	
ytwebapp	Implemented	Not Found			It is used to manage NDS services such as list docker images, run docker containers, list containers, view docker logs, stop containers and transfer data.	
mysql					A DBMS.	
globus endpoint					Gridftp server. Endpoint for globus, a service to enable grid computing: by connecting computing resources, the data can be freed from its initial source, and made portable.	
DataVerse					A web app to share, preserve, cite, explore and analyze research data	
DSpace					DSpace is a repository software package typically used for creating open access repositories for scholarly and published digital content.	
Zenodo					Zenodo is a service that enables researchers, scientists, EU projects and institutions to share and showcase multidisciplinary research results.	
Clowder (previously: Medici)					Clowder is a web-based content management system that allows users to share, annotate, organize and analyze large collections of datasets. Unlike other CMS, Medici focuses on unstructured data in the form of arbitrary files and structured data in the form of metadata associated with the files. Additional key features being developed include a robust structure for organizing datasets into collections and project spaces, and keying access permissions based on user roles within a given space.	

File

Modified

File launch-irods-icat.sh

Jun 12, 2015 by Lengyue Chen