

1) Syncs manifest and PAR files

Dasco 3
Running on end user's machine
in client's network.

3) Connect to API sever and make calls as required

2) Authenticates User
(Reset/Forgot Password)

Gadgets
(WebWare 3)
Some JS and HTML running on
a client's webpage hosted
externally.

Request for static file (JS/CSS/etc)

AJAX API Request

API Request

dasco3.donorware.net/\$codebase/par
Serves up the par files and manifest.txt for updating Dasco 3. D3
mirrors the files using Perl Module LWP::Simple.
\$codebase is a runtime parameter (default is 'dw')

activate.dwvpn.net:9001
dwapid_activate (DWAgent::TCPAPIServer.pm) process running on
zirconium.
I believe it needs to run on zirconium to have access to vicci
environment?

dwapid_d3 (64.78.177.147:9001)
Service running on grid.
API Server (DWAgent::TCPAPIServer.pm)
The Dasco 3 app will open a socket to a dwapid_d3 child process
and should hold that socket open for the duration of the session in
theory but connections are lost due to network issues and it should
reconnect.

dwrestd (behind a load balancer?)
Service running on grid.
AJAX/REST API Server

api.donor.com
apache running on shared
redirects requests to CDN for production versions of static files
redirects API requests to dwrestd services running on grid

CDN

Runs on DWRE

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Runs on DWRE

DWRE
Donor Ware Runtime Environment (see /nfs/dwre/)
All of our binaries, utilities, Perl code, etc with all the required supporting libraries.
All of our services run using this environment to provide the required functionality. API requests map to the Layer3/2 Perl code that map to a
binary or in some cases direct database access via Rose::DBO.

Authentication

LDAP
???

Set/Get cached data

memcached
Running on
shared

Accessed from C binaries
OR
"directly" via Perl Rose::DBO module
Connection info per client from dwvault

MySQL
???

mq.dwvpn.net
stomp message
queue

Send an email

Email???
(mailx.dwvpn.net)

Run a crystal report

reporter2.dwvpn.net
Crystal Report Server

Loads Perl modules from DWRE

dwsecure
Service running on grid.
Web App written using the Perl module Dancer.
Has a Dancer Plugin to load layer 3 Perl modules and call methods.
Mostly serves up html using templates that plug in variables based
on the client code. Those pages then in turn load a gadget.

Some sort of
load
balancer/redir
ects here?

secure.donor.com
Allows clients to "run" gadgets
not on their site.

Loads Perl modules from DWRE

mydasco
Service running on grid.
Web App written using the Perl module Dancer.
Has a Dancer Plugin to load layer 3 Perl modules and call methods.

Some sort of
load
balancer/redir
ects here?

https://donor.com/mydasco/menu
Web app with some limited functionality
(search names, run reports, add notes to
accounts, etc)
Is this the basis of the iPhone interface?

Authentication

LDAP
???

DWCRON
dwcronwd service running on grid.
This is the service providing the workers for a job queue. We allow
scheduled reports. This service checks for jobs in the queue and
runs any that it finds.
A "job" is basically a report that may or may not produce output.