odo Cheat Sheet

All odo commands require a *context* to indicate the project and "application" in use. When a component is created in a project's source code directory, this context information is stored in a directory named .odo.
Most commands, other than for creating a component, require this context information. If the command is run from within a project that has the .odo directory, odo will automatically read the context information from it.
If a command is run outside of an odo project, the context can be specified in one of two ways:

Using the —context flag to indicate the project directory containing an .odo directory.

Explicitly specifying the OpenShift project and odo application with the —project and —app flags respectively.

PROJECT MANAGEMENT

odo project create name

create a new project

odo project list

list all projects in the cluster

odo project get

display the currently active project

odo project set name

make the specified project active

odo app list

list all applications in the current project

QUERYING THE CATALOG

odo catalog list components

list available component backends

odo catalog search component string

list all components whose name contains the text in *string*

odo catalog list services

list available deployable services

odo catalog search service string

list all services whose name contains the text in *string*

odo catalog describe service name

display details about the given service

CREATING & DELETING COMPONENTS

odo create

start the interactive component creation

odo create component

creates a new component of the given type, using the current directory for its source code

odo create component name

same as above, using the specified *name* as the name of the component in odo

The following flags may be specified when creating a component.

—app app-name	explicitly sets an app name that the component will belong to; defaults to app if unspecified
—binary bin	configure the component to run the given binary
—env key1 =value1 ,key2=value2	sets the given environment variables on the component's pod
—port p1 2	sets additional exposed ports

odo delete

deletes the component indicated by the current context

odo delete name

deletes a specific component from the current context by name

odo delete —all

same as above, prompting the user to delete the local .odo directory as well

odo list

when run in a project directory, list all components in that project's application

odo list —all-apps

display components across all apps in the current project

DEVELOPING COMPONENTS

odo push

push local project files into the cluster and (re)start the component's pod

odo push —config

pushes changes made to the odo configuration of the component without pushing the latest source code (see *Configuration* below)

odo log

display the log messages for the component in the current context

odo log -f

tails the component's logging messages

Configuration

odo config view

show the configuration of the component in the current context, including general metadata (such as type and project), environment variables, and resource limitations

odo config set parameter value

sets the value of the given parameter, such as "Type" or "CPU"; using odo config set -h displays the possible parameters that can be set

odo config unset parameter

removes the explicit value for the given parameter, leaving odo to use the default

odo config set —env ENV1 =value1

sets an environment variable that will be exposed to the component when it is run; multiple values can be set through multiple uses of the —env flag

odo config unset —env ENV1

removes the specified environment variable from the component

URLs

odo url create

creates a URL for the component in the current context

odo url create name

creates a URL, using the specified name to refer to it through odo

odo url create —port port

creates a URL for the specified port; this argument is required if the component type exposes more than one port

odo url list

show all URLs for the component in the current context

odo url delete name

delete the URL with the specified name

CREATING & DELETING SERVICES

odo service create

start the interactive service creation

odo service create service

creates a new service of the given type using its default configuration values

odo service create service name

same as above, using the specified *name* as the name of the service in odo

odo service delete name

delete the specified service; include -f to skip the confirmation prompt

LINKING

odo link component-name

link the specified component to the one in the current context; environment variables from the specified component will be made available in the current context component

odo link service-name

same as above; linking a service functions in the same way as linking a component

odo link name —port port

indiciates which port on the given component/service to link to; this is required if the component/service exposes multiple ports

odo unlink name

unlinks the specified component/service from the component in the current context

MISCELLANEOUS

odo login cluster-url

login to an OpenShift cluster

odo version

display version information about both the odo client and the connected cluster

odo help command

display help about a command

odo —complete

install command completion for odo

Author Jason Dobies
Developer Advocate at Red Hat