# VISUAL WORK-FLOWS FOR OPENSHIFT

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## PROBLEM

Identify enterprise work-flows for deploying applications to Openshift and build a client which provides an interface to the Broker-API for simple deployments as well as more complicated work-flows using –

1. Keystone authentication
2. Openshift REST API
3. Abstract interface to create your own work-flows
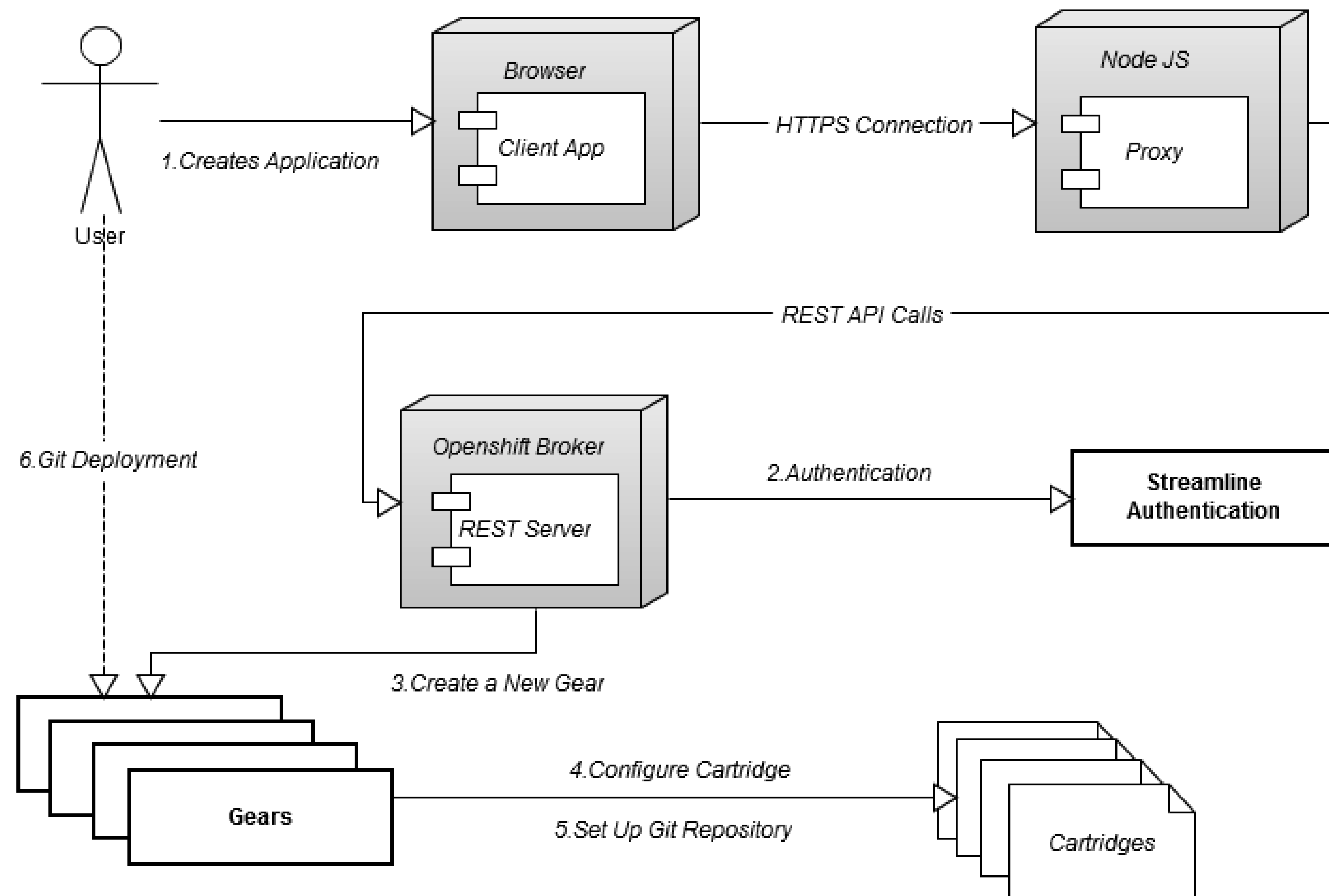
## CONTRIBUTIONS

We designed and implemented a system which can take as an input, an enterprise workflow for Openshift and then deploys it to the cloud. Some salient features of our project are –

1. `HTML5` based drag and drop interface for building work-flows.
2. Ability to deploy to all Openshift distributions
3. Extensible

## ARCHITECTURE
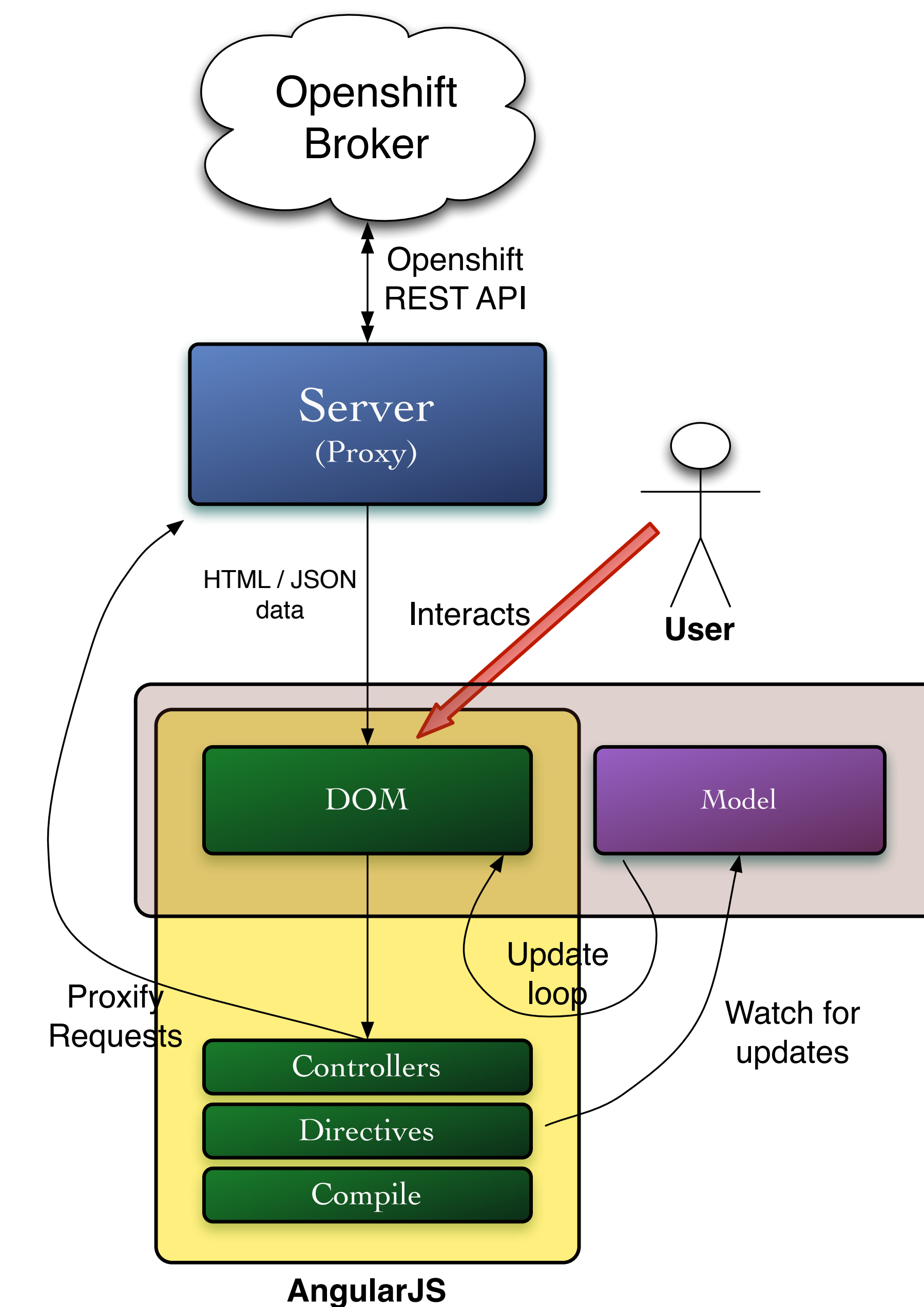


## USER INTERACTIONS



## SCREENSHOTS



## TECHNOLOGIES USED



## FUTURE WORK

We would like to extend the application to managing deployed apps as well. Particularly, setting auto-scale parameters and controlling the life-cycle.

We would also like to add a mechanism by which the user can directly deploy his code using our portal rather than having to synchronize `Git` repositories manually.

## SOURCE CODE

The source code for the back and front end is available available at
`https://github.com/subszero/openshift-workflows`