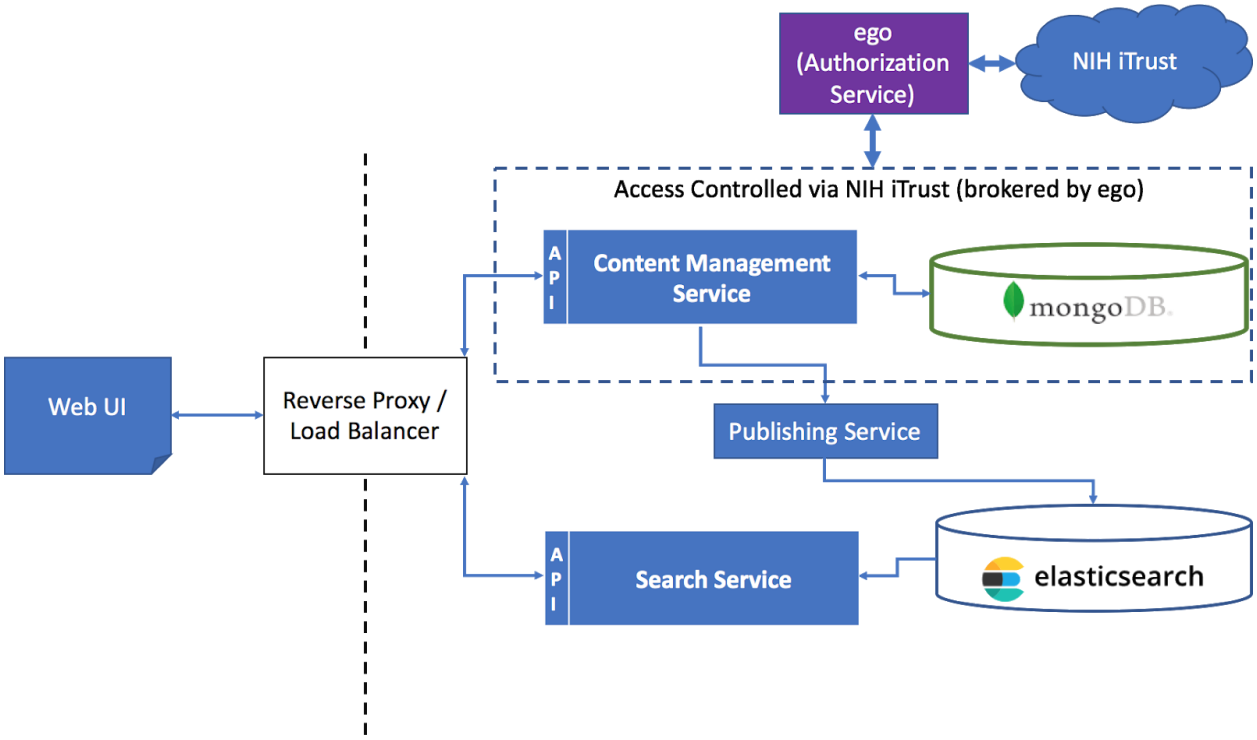
Architecture Overview



System architecture diagram

The HCMI Catalog will be composed of four loosely-coupled micro services. These services will be seamlessly integrated with Web UI.

Content Management, Publishing and Search Service will be Web based APIs. ***An Apache Server will be used to proxy calls from web to these Services.***
Another Apache server will be used to serve Web UI which is composed static HTML files and Javascript.

More details about Architecture can be found on Pages: 5 and 6 of HCMI Architecture - v1.1 document.

Software/System Requirements:

1. Standard NIH Linux Installation
2. All Application server instances need to have:
    a. Node v 8.0+, NPM, PM2. Yarn, Oracle Java 8, Maven 3.5.x
3. Two Database servers: ElasticSearch v6.0+ and MongoDB
4. (Potentially, depends on NIH iTrust integration details) Another database server: Postgres 9.5.x

5. All Web server instances will be Apache web servers

More details on number of each instance type for each dev/staging/prod can be found on Pages 8 and 9 of HCMI Architecture - v1.1 document.