

LexEVS Meeting Minutes - Docker Planning Session - 2017.05.01

Attendees

Name	Role	Present
Mensah, Jacob	NIH/NCI [C]	x
Hartman, Phil	NIH/NCI [C]	x
Wei, Lu	NIH/NCI [C]	x
Bauer, Scott	Mayo	
Stancl, Craig	Mayo	x
Endle, Cory	Mayo	x

Links

- LexEVS Docker Overview
 - [LexEVS 16X237 Docker Setup](#)
- Docker scripts: lexevs-system-test git repository
 - <https://github.com/lexevs/lexevs-system-test/tree/v6.5.0>

Agenda

Status Update <ul style="list-style-type: none">• Mayo team	Discussion Points: <ul style="list-style-type: none">• Mayo email addresses have been added to the notifications.• The configuration is working as expected.• The issue where containers weren't being removed was fixed by manually removing the containers. This can be added to the script to prevent from happening in the future. Decision Points:
Reusable Docker Containers <ul style="list-style-type: none">• Discuss plan to determine how create Docker containers and store them on NCI Nexus server for reuse in our lexevs-system-tests.<ul style="list-style-type: none">◦ CentOS 7◦ Tomcat 8.x◦ Java 8.x◦ MySQL 5.6.x	Discussion Points: <ul style="list-style-type: none">• Currently, pull resources into the container - but doesn't actually use NCI provided version.• NCI currently manually updates software as new versions become available.• CentOS, Tomcat, Java, MySQL available in Nexus for others to use.• NCI is trying to provide solution in the future.<ul style="list-style-type: none">◦ Not available in LexEVS Production environment• Would be possible for NCI to pull Docker Hub and store the container in Nexus.• Goal is to not have to worry about Docker Hub releases day to day. Idea is to run on what is NCI supported.• Short Term<ul style="list-style-type: none">◦ NCI pulls MySQL, etc. from Docker Hub and store in NCI internal. Allow the system tests to pull from NCI internal.• Long Term Goal<ul style="list-style-type: none">◦ Fully docker-ized for production. Decision Points: <ul style="list-style-type: none">• Cory/Jacob to let Wei know which versions of components to pull from Docker Hub.• Wei to look at how to docker-ize the tier deployment.• Wei to give access to allow Mayo team to put containers on NCI internal Nexus.• Cory to send Wei the architecture to start preparing the docker-ization.