

Infrastructure - Feature #5142

Make it possible for users to change to another cn in the D1Client class in d1_libclient_java module

2014-04-29 23:55 - Jing Tao

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:	Ben Leinfelder	% Done:	100%
Category:	d1_libclient_java	Estimated time:	0.00 hour
Target version:		Story Points:	
Milestone:	None		
Product Version:	*		

Description

Member Nodes want to be able to choose which environment they will register in without shutting down to do so.

In the D1Client class, there is a static class field CNode. After the CNode was initialized, there is no way to change the CN:

```
public static CNode getCN(Session session) throws ServiceFailure {
    if (cn == null) {
        // get the CN URL
        String cnUrl = Settings.getConfiguration().getString("D1Client.CN_URL");

        // determine which implementation to instantiate
        String cnClassName = Settings.getConfiguration().getString("D1Client.cnClassName");

        if (cnClassName != null) {
            // construct it using reflection
            try {
                cn = (CNode) Class.forName(cnClassName).newInstance();
            } catch (Exception e) {
                throw D1Node.recastClientSideExceptionToServiceFailure(e);
            }
            cn.setNodeBaseServiceUrl(cnUrl);
        } else {
            // default
            cn = new CNode(cnUrl, session);
        }
    }
    return cn;
}
```

Related issues:

Related to Infrastructure - Bug #7642: D1Client.getCN(Session s) method doesn...

Closed

2016-02-12

History

#1 - 2014-04-30 00:22 - Ben Leinfelder

- Status changed from New to In Progress
- Assignee set to Ben Leinfelder

Added the method to D1Client. It uses the supplied cnURL and replaces the static CNode instance with one that uses the given url. Subsequent calls to the parameter-less method will retrieve the CNode instance with the new URL.

#2 - 2014-05-02 19:17 - Ben Leinfelder

- Category set to d1_libclient_java
- Status changed from In Progress to Closed

#3 - 2014-06-20 17:25 - Rob Nahf

- *Description updated*

#4 - 2014-06-20 17:36 - Rob Nahf

- *Description updated*

#5 - 2016-02-12 21:25 - Rob Nahf

- *Related to Bug #7642: D1Client.getCN(Session s) method doesn't use the session added*