

z2-Environment - Improvement #1953

Support an offline mode that disables attempts to remote repositories

17.07.2016 21:52 - Henning Blohm

Status:	Closed	Start date:	17.07.2016
Priority:	Normal	Due date:	
Assignee:	Henning Blohm	% Done:	0%
Category:	z2-core	Estimated time:	0.00 hour
Target version:	2.4.1		
origin:			

Description

See [Offline Mode](#):

Offline Mode

The purpose of the offline mode is twofold:

- You may use the offline mode to avoid long synchronisation times when developing in a situation poor network connectivity without turning off network connectivity as a whole.
- You may use the offline mode to prohibit download of latest changes from a central repository ahead of time. So you may use it as a "development in isolation" feature.

How the offline mode is used.

The offline mode is enabled or disabled by setting the system property **com.zfabrik.offline** to "true" or "false" respectively. The default value of this property is "false".

This works regardlessly of how this system property is set in the home process. Worker processes receive an updated value upon synchronization.

Enabling Offline mode at start time

Using the file `<Z2 home>/run/bin/runtime.properties` the offline mode can be enabled at starting time already. Not however that typically some collected offline content needs to be retrieved before working with a z2 system.

Toggling Offline Mode during Development

Alternatively the offline mode may be switched on or off using a check box on the Z2 gui.

Design

- Component Repository use `AbstractRepository.checkOffline()` whenever a connection is normally required.

The method looks essentially like this:

```
protected void checkOfflineMode() {
    if (Foundation.isOffline()) {
        throw new OfflineModeException("Running in offline mode");
    }
}
```

where `@Foundation.isOffline()`* checks for the boolean String value of the system property **com.zfabrik.offline**.

- Changing the system property can happen any time
- Initially the property is assumed as false and should only be specified otherwise in `runtime.properties`.
- The offline mode is conveyed to worker process via the `COMMAND_COMPLETE` message send to workers in the verify phase of the synchronization process.
- There is a toggle checkbox in the GUI.

Related issues:

Is duplicate of z2-Environment - Improvement #1943: Add an offline mode that ...

Resolved**17.02.2016****History**

#1 - 07.09.2016 21:19 - Henning Blohm

- Related to Improvement #1943: Add an offline mode that is switchable in JMX and via the <home> GUI added

#2 - 07.09.2016 21:19 - Henning Blohm

- Related to deleted (Improvement #1943: Add an offline mode that is switchable in JMX and via the <home> GUI)

#3 - 07.09.2016 21:19 - Henning Blohm

- Is duplicate of Improvement #1943: Add an offline mode that is switchable in JMX and via the <home> GUI added

#4 - 07.09.2016 21:22 - Henning Blohm

- Status changed from New to Closed

As Duplicate to [#1943](#)

#5 - 18.09.2016 17:45 - Henning Blohm

- Target version changed from 2.5 to 2.4.1