External Bundle operations

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# External Bundle operations and Workspace Bundles

It is possible - both in a deactivated and an activated workspace - to perform lifecycle operations on workspace bundles from external tools like the Host OSGI Console in Eclipse or from other OSGI bundles or plug-ins.

To recapture; - The workspace is deactivated when all bundles are in state UNINSTALLED. If one or more bundles are activated, the workspace is said to be activated and all deactivated bundles are in state INSTALLED while the activated bundle(s) are in state RESOLVED, ACTIVE, STARTING/<<LAZY>> or STOPPING.

# Deactivated Workspace

It is possible to run any bundle operation on workspace bundles from an external source in a deactivated workspace. All operations are ignored by the InPlace Activator. If you later one decide to activate the workspace, the already installed - or resolved or started - bundles are activated along with the bundle(s) you decide to activate.

# Activated Workspace

Once activated, uninstalling a bundle from an external source will force either a deactivation of the workspace or a re-install of the uninstalled bundle. If the [Handle External Commands Automatically](Setting%20Bundle%20Options.htm#HandleExternalBundleOprerationsAutomatic) option is switched off you have the option to deactivate the workspace or restore the uninstalled bundle. If the option is on, the workspace is deactivated.

Further, it is not possible to run any external command that involves a resolve (resolve, update, start, and stop) on a deactivated bundle - state INSTALLED - in an activated workspace. This will be rejected by the resolver hook. Care should be taken if the tool or bundle manager used does not take bundle dependencies into account. A warning is issued if activated bundles have requirements on an uninstalled bundle.