Mirror Settings and File repositories

Relevant MNG Issues

- MNG-3461

Proposal

Updated Proposal:

 Allow more flexibility in mirror specifications. Currently only a repo Id or * can be used in the mirrorOf field. This isn't very flexible with advanced repo managers and can cause problems with ITs or Units that expect to have specific repos that may have been overridden by the *.

Proposed Changes:

Add new "external:*" syntax to mean any repo except those using localhost, 127.0.0.1 or file://. This is specifically intended to avoid conflicts with units and ITs.

Additionally, allow the mirrorOf to support a list of repoIds and exclusions to the two wildcards (* and external:*). The syntax will be a comma separated list of repoIds to match, and ! meaning not the repo. This provides valid syntaxes such as:

* = everything
external:* = everything not on the localhost and not file based.
repo,repo1 = repo or repo1
*,!repo1 = everything except repo1

and combinations thereof. The order is not important from left to right as the wildcards defer to further processing and explicit includes or excludes stop the processing. Additionally, the mirror list will now be ordered using a LinkedHashMap instead of HashMap such that the user may influence match order by changing the order of the definitions in the settings.xml