Project Idea

We wish to add Cloud features to the Jenkins [External Workspace Manager](#) Plugin.

This would allow Jenkins workspaces to be cloud based or located remotely, rather than being local. These features include:
- cloud based storage ([discussion](#))
- integration with the built-in "[Discard old builds](#)" feature
- Possible use of multiple discard strategies (only one can be in use)
- improvements to data retention policies ([JENKINS-48715](#), [JENKINS-2111](#), [JENKINS-38764](#))
- workspace usage statistics

Other workspace cleanup issues could be addressed too, for example:
- matrix workspace cleanup issue ([JENKINS-27329](#))

Skills to study/improve

- Java
- Cloud based storage

Project Metadata

Created on: October 2018
Goal: Add support of provisioning workspaces from cloud services
Champion: Martin d'Anjou
Champion Github Id and link: https://github.com/martinda
Champion Jenkins JIRA/LDAP id: deepchip

Champion Time Zone: UTC-4
Champion Role: I am a making this proposal as a **mentor**

Project Category: plugin
SIG/Subproject: Cloud Native SIG (https://jenkins.io/sigs/cloud-native)
Project Gitter chat room: https://gitter.im/jenkinsci/external-workspace-manager-plugin

Potential Mentors

The potential mentors are:
1) Martin d'Anjou (https://github.com/martinda)
2) Patrick Hynes (https://github.com/hynespm)
3) Rick(https://github.com/linuxsuren)