SUSE

Project Ids and quotas

Project IDs

Another identifier (32-bit) stored in inode by ext4, xfs

Originally used for cooperative control over space used by a project (project quotas)

Current semantics:

Inode owner can set project ID to any value in init_user_ns, not allowed to change otherwise

Project IDs are inconsistently mapped through user namespace

- Setting / getting does not map them

- VFS quota code does map them when accounting quotas

PROJINHERIT flag

There's PROJINHERIT flag in the inode

If set on a directory, newly created inodes in the directory inherit directory's project ID. Newly created directories also inherit the PROJINHERIT flag.

Same rules for modifying the flag as for modifying project ID.