New Frontiers in Storage Performance for 2015

The storage landscape:
FC dominates over NAS and iSCSI
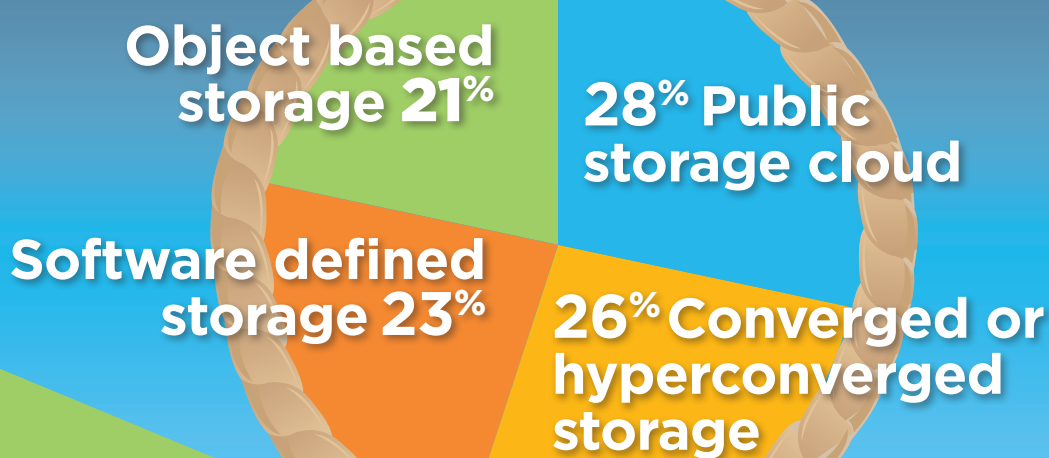
- 10% iSCSI
- 12% NFS/SMB
- 71% FC SAN
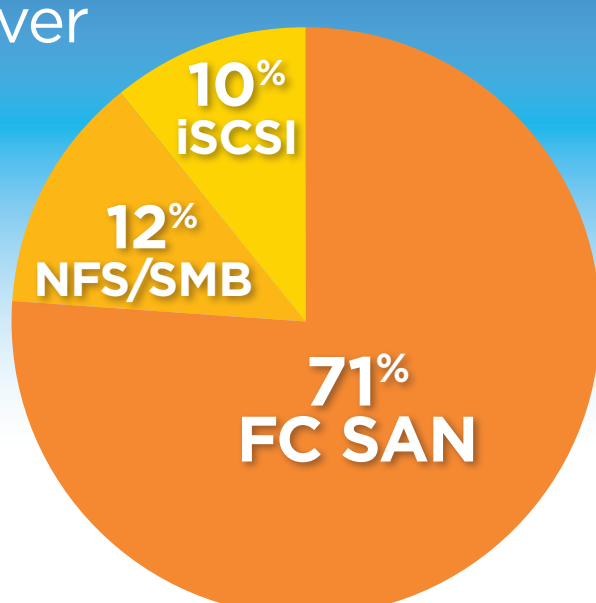
Change is in the air

54% Adding all-flash arrays to their storage estate in the next year

49% Considering new storage technologies: object, cloud, SDS, Virtualization

A wide range of storage technologies being explored

- Object based storage 21%
- 28% Public storage cloud
- Software defined storage 23%
- 26% Converged or hyperconverged storage
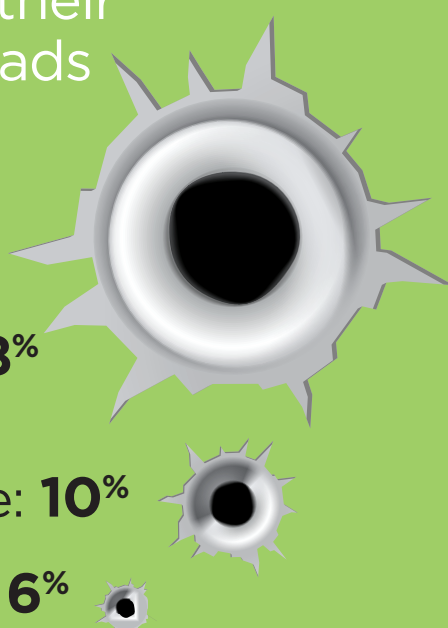
Shooting from the hip:
Poor Understanding of Production Workload Profiles hinders planning

Only **36%** understand the I/O profiles of their production workloads

For the **64%** who don't know their I/O profile:

- Assess on an ad hoc basis: **48%**
- Trust vendors & integration partners to provide I/O profile: **10%**
- No access to I/O profile data: **6%**

Good News/Bad News Pre-production testing

64% of IT organizations do some form of pre-production testing

40% use freeware tools that can't emulate scale or accurate workload conditions of actual production environments