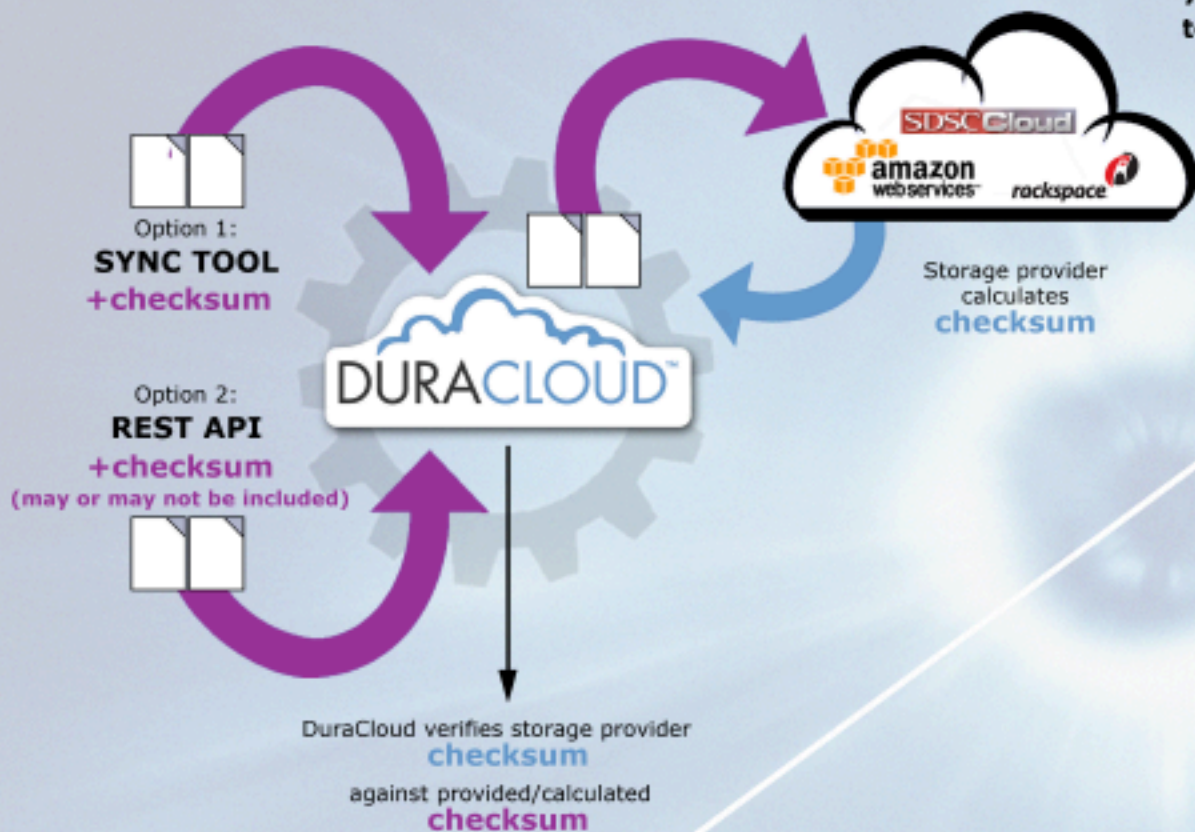# Ensuring your data's integrity in the cloud–
How DuraCloud does it:

DuraCloud provides a higher level of assurance that your content is safe in comparison to cloud provider practices. DuraCloud takes the additional step of continually verifying the integrity of your content and providing access to health reports.

Phase 1: Adding content to DuraCloud

Option 1:
SYNC TOOL
+checksum

Option 2:
REST API
+checksum
(may or may not be included)

DURACLOUD

SDSCCloud
amazon webservices
rackspace

Storage provider calculates **checksum**

DuraCloud verifies storage provider **checksum**
against provided/calculated **checksum**

Phase 2: Ongoing integrity checks

DuraCloud verifies recalculated **checksum** against stored **checksum**

DURACLOUD

content manifest
checksum 1
checksum 2
checksum 3

content (primary)

SDSCCloud
amazon webservices
rackspace

checksum (all providers)

DuraCloud verifies storage provider **checksum** against stored **checksum**