

Protected Storage

Threat Intelligence

File Processing

Key Verification and Renewal

combine the password,
PIN and device key to get
the storage key



decrypt the set of ABE keys



show list of files

count failed tries



analyse logs



send logs to server

on request,
decrypt the key to access
the specific share



decrypt the file



show file in the window



save modified file in
unprotected area

when the key is
expired, as for
user password and PIN



send the password
and key to server by
means of EKE



receive the new device
key from server, if the
verification is successful



receive the new set of
ABE keys from server