

### Protected Storage

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



decrypt the set of ABE keys



show list of files

### Threat Intelligence

count failed tries



analyse logs



send logs to server

### File Processing

on request, decrypt the key to access the specific share



decrypt the file



show file in the window



save modified file in unprotected area

### Key Verification and Renewal

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