Etere
a consistent system

A Modern Station

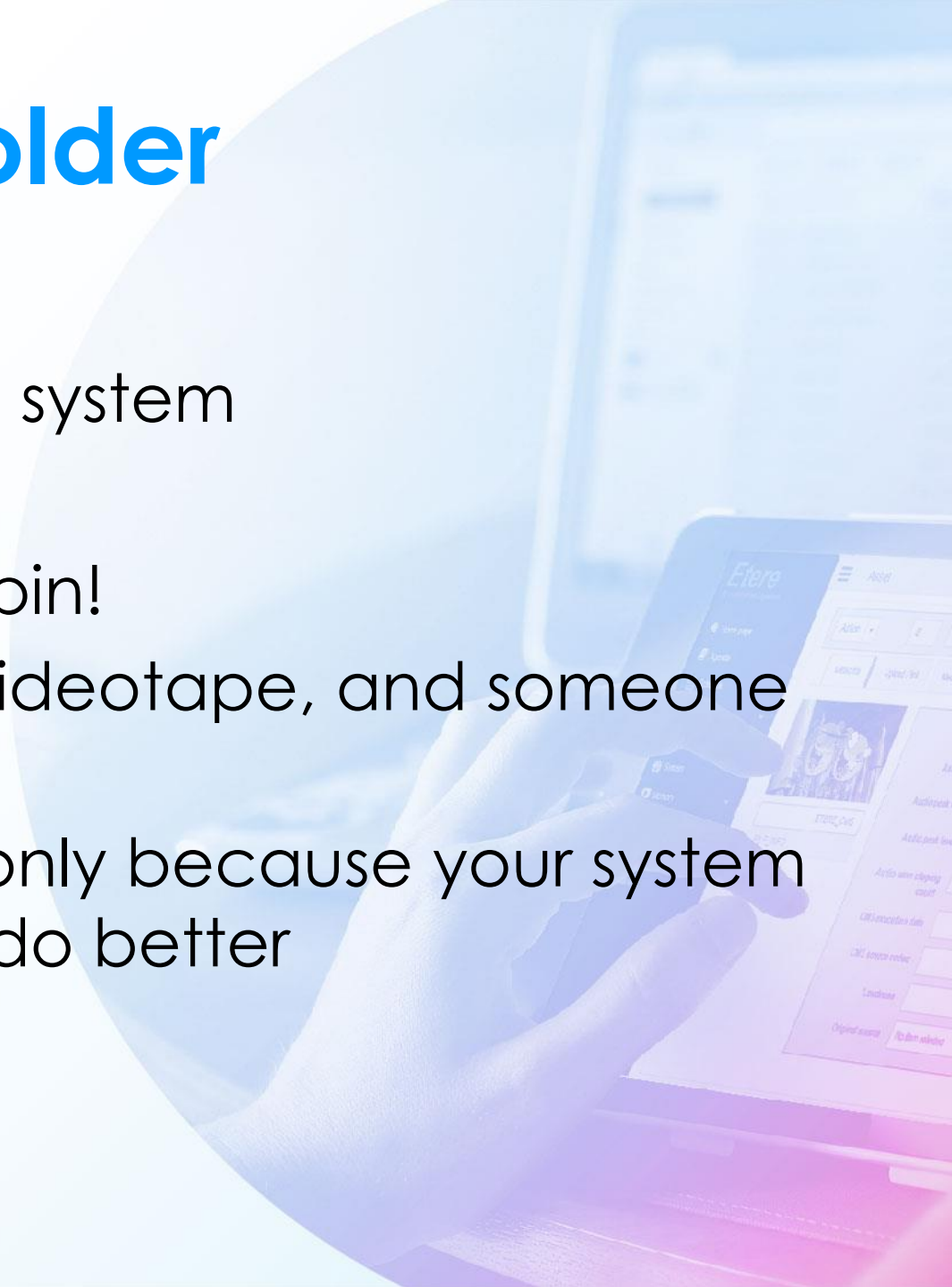
How to use the Modern Technologies

The Drop Folder

- I heard a lot about drop folders
- They seems the basic of file based system

But!

- I never heard about a Tape drop bin!
- A place where someone drop a videotape, and someone other collect
- Probably you have a drop folder only because your system is still primitive and it’s not able to do better



You need a MAM

- But someone can say:
- My media asset management is based on drop folders.!!!

So?

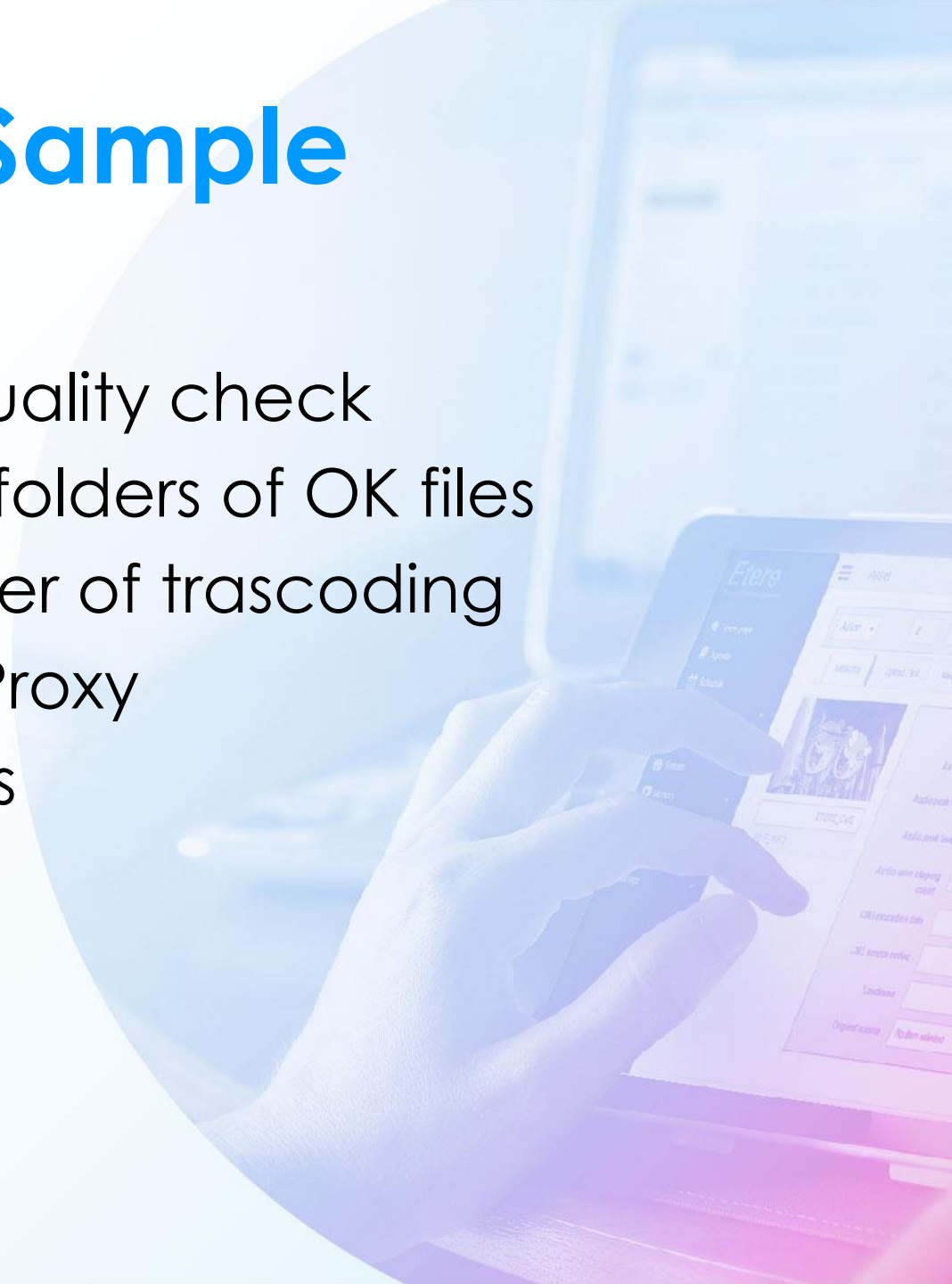
- You do not have a Media Asset Management.
- If I call a Bicycle as a Motorcycle, it does not change it
- You still have a Bicycle only

Drop Folders & Bandwidth

- Bandwith is Expensive
- And drop folders use unnecessary bandwith

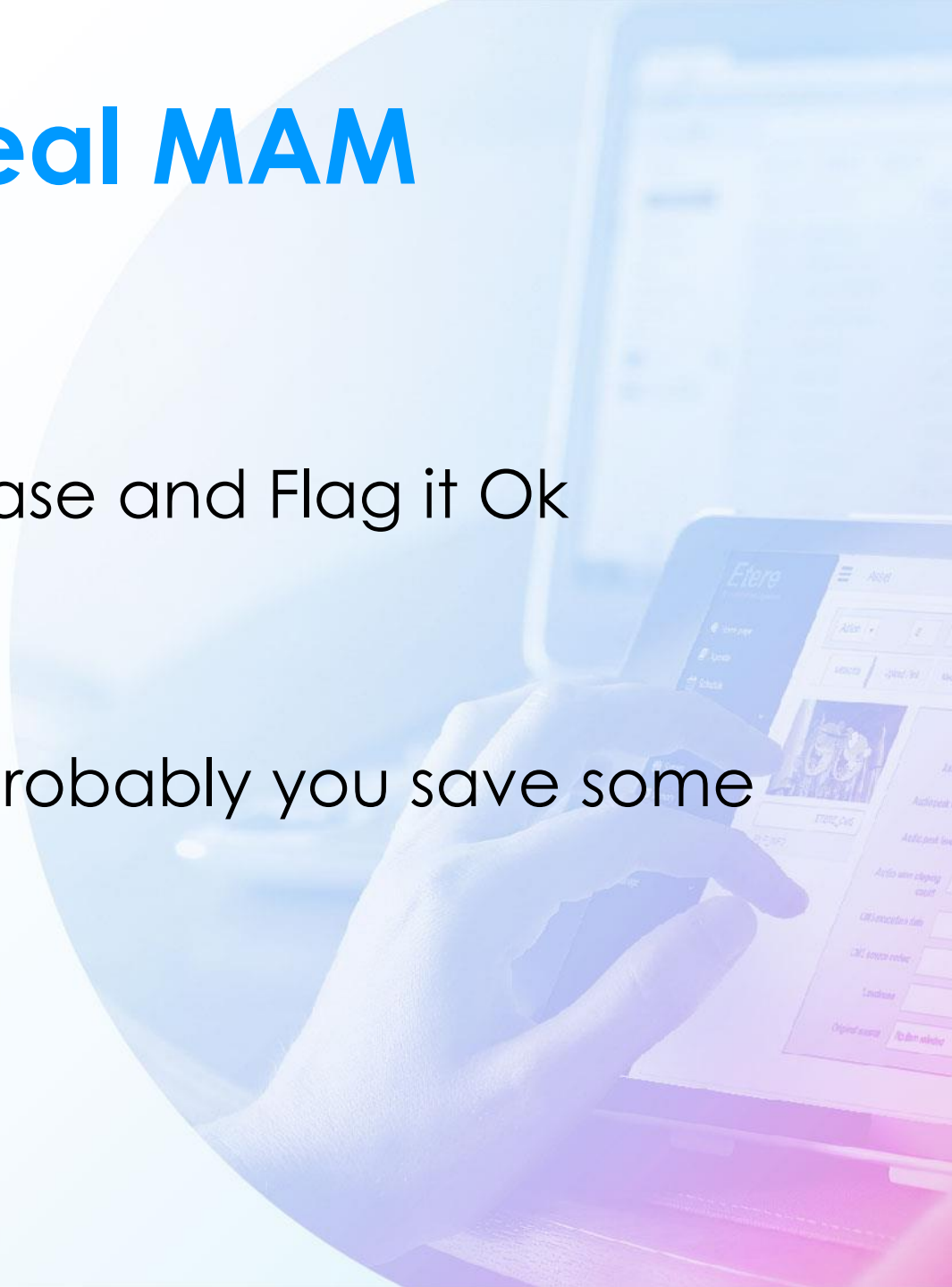
Drop Folders Sample

- You have a 200GB videofile
- You copy on the drop folder of Quality check
- QC read it and write on the Drop folders of OK files
- You copy the file on the Drop folder of trascoding
- Trascoding Read it and write the Proxy
- You copy the file on the Ok folders
- You use 2’200 GB of bandwidth



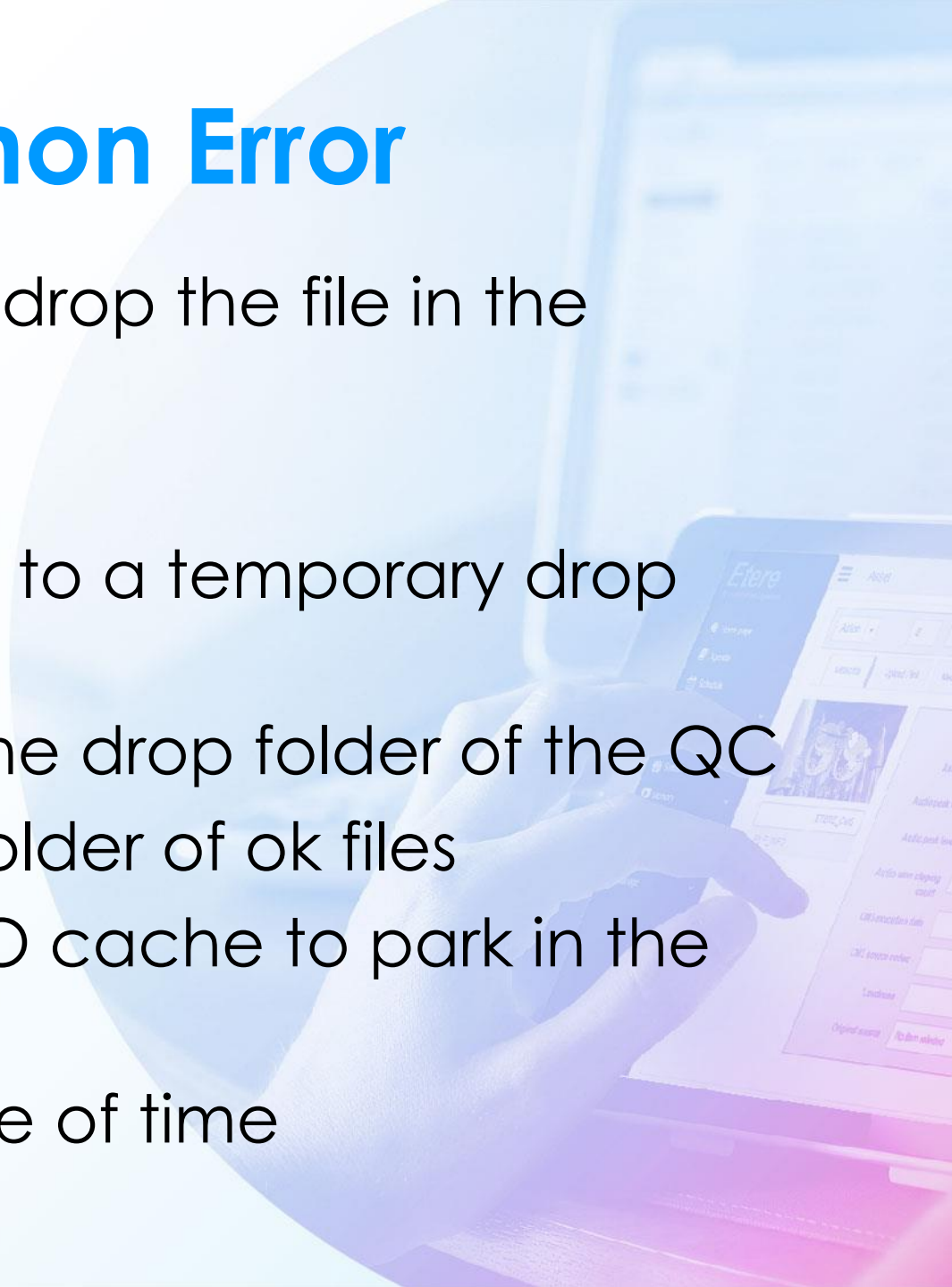
If you have a real MAM

- You have a 200GB videofile
- Mam order QC to read it
- Mam put the result data in Database and Flag it Ok
- Mam Order a trascoding
- Mam Flag the file OK
- You use 400GB of bandwith and probably you save some hours.
- 2’200 against 400 !
- Now you find your bandwidth



Another Common Error

- When we finish the censorship we drop the file in the archive!!!
- But what is the reality
  - The file is moved from a storage to a temporary drop folder
  - Then the archive will move on the drop folder of the QC
  - The QC will move on the drop folder of ok files
  - The archive will move on the LTO cache to park in the LTO
- A waste of the bandwidth, a waste of time



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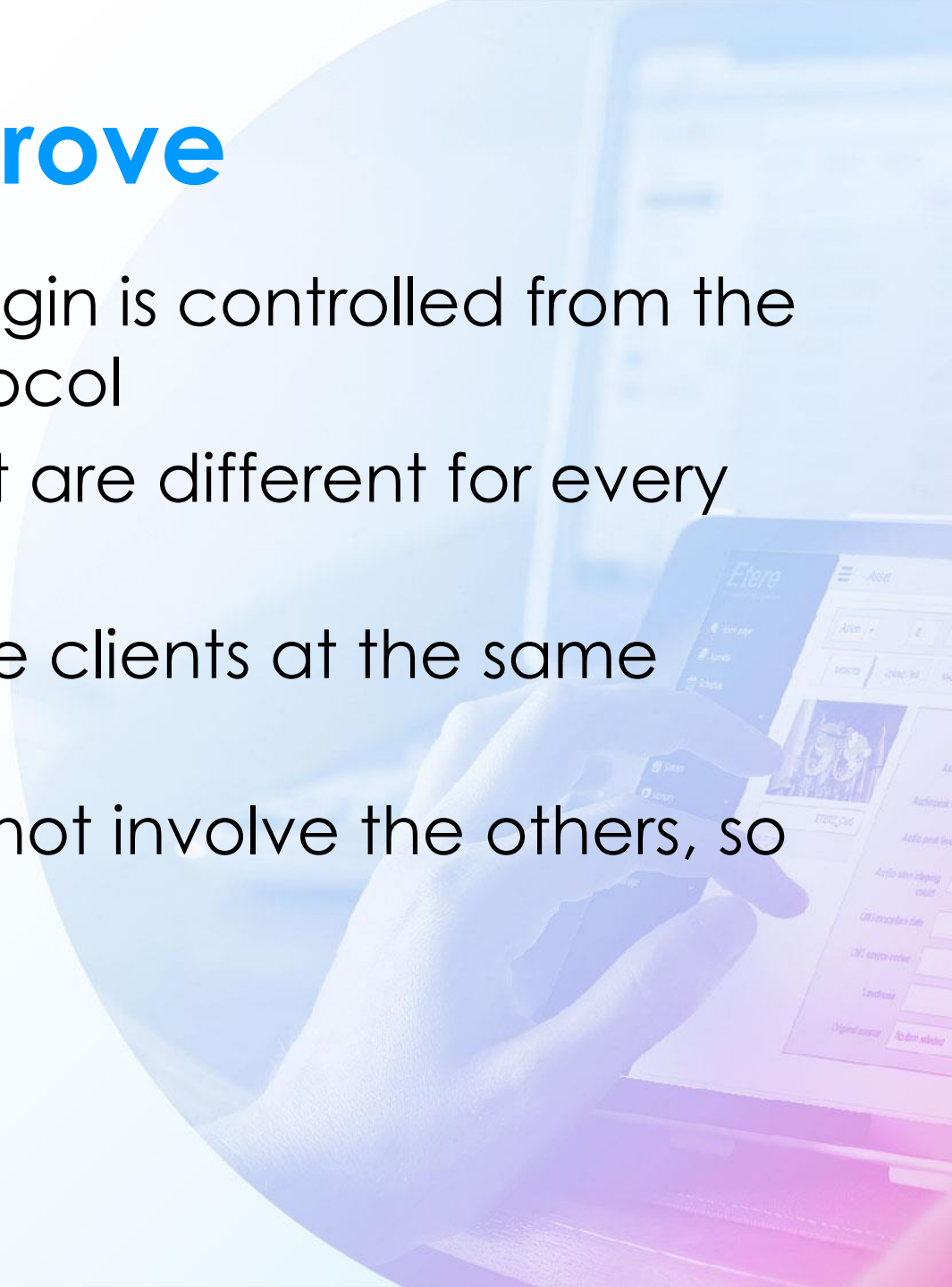
Using the Webservices

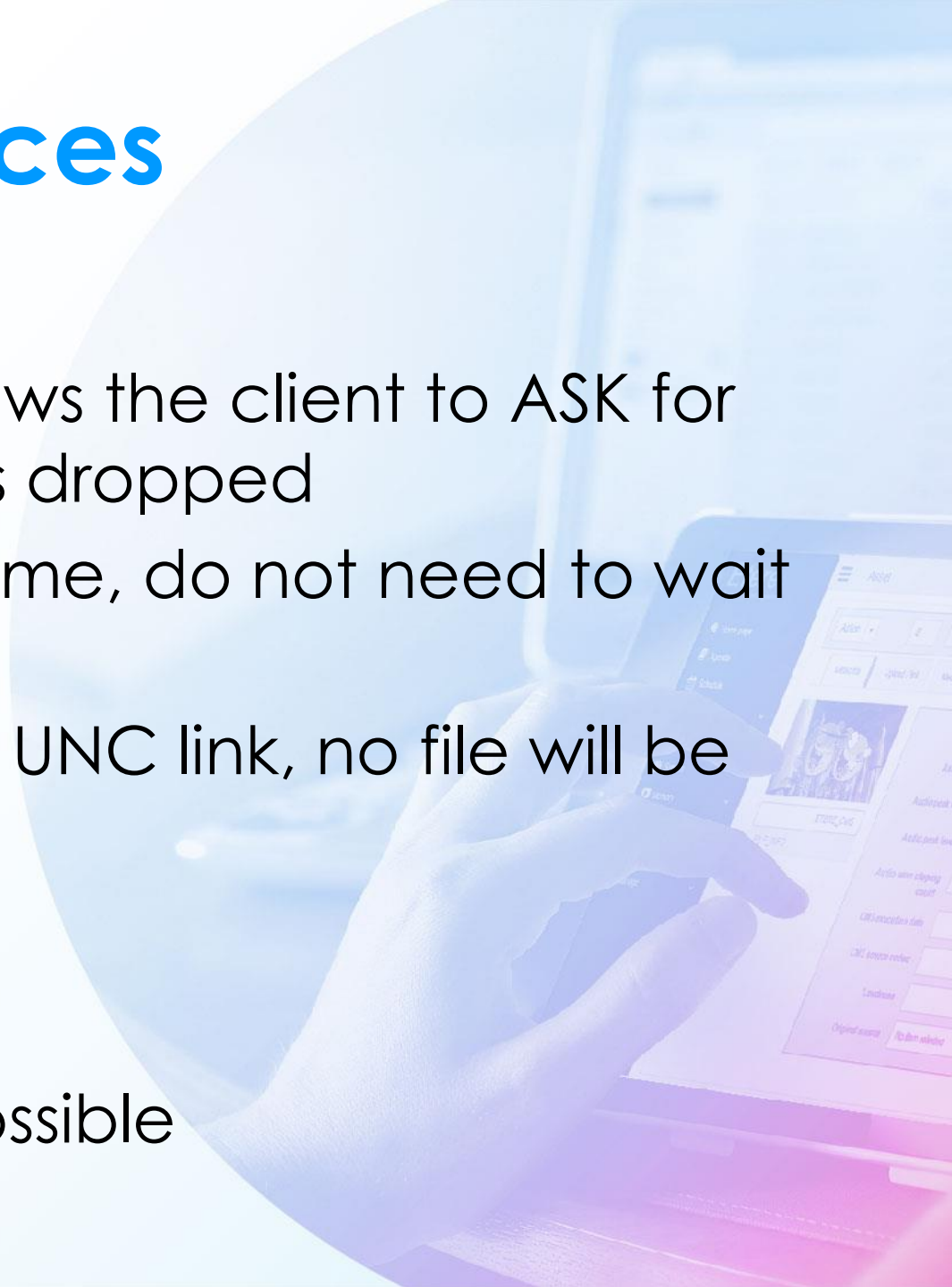
How to Improve

- The webservices are safe, every login is controlled from the webservice using a standard protocol
- Webservices expose methods that are different for every user
- A webservice can address multiple clients at the same time.
- The upgrade of one service does not involve the others, so it is easy to expand



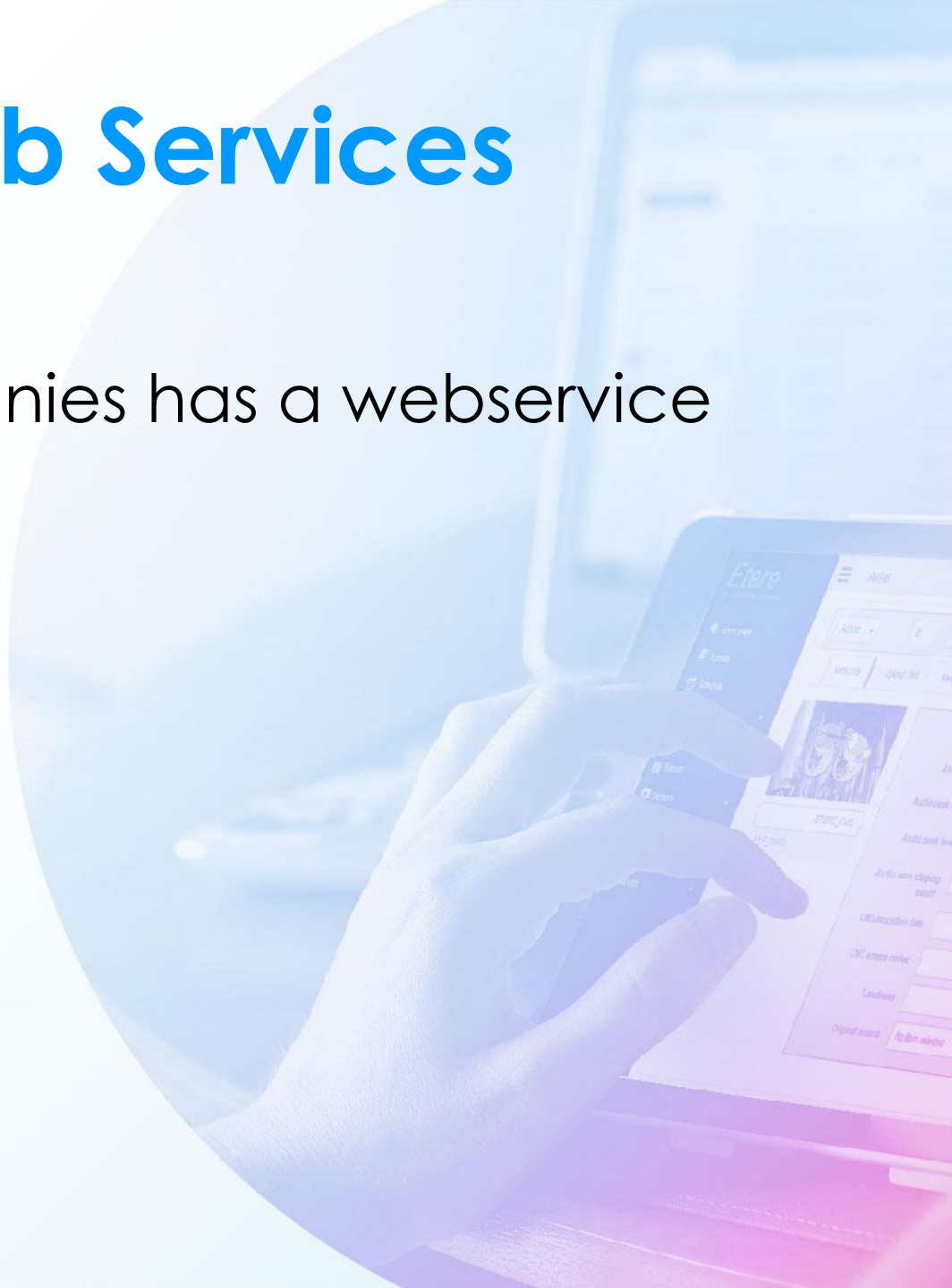
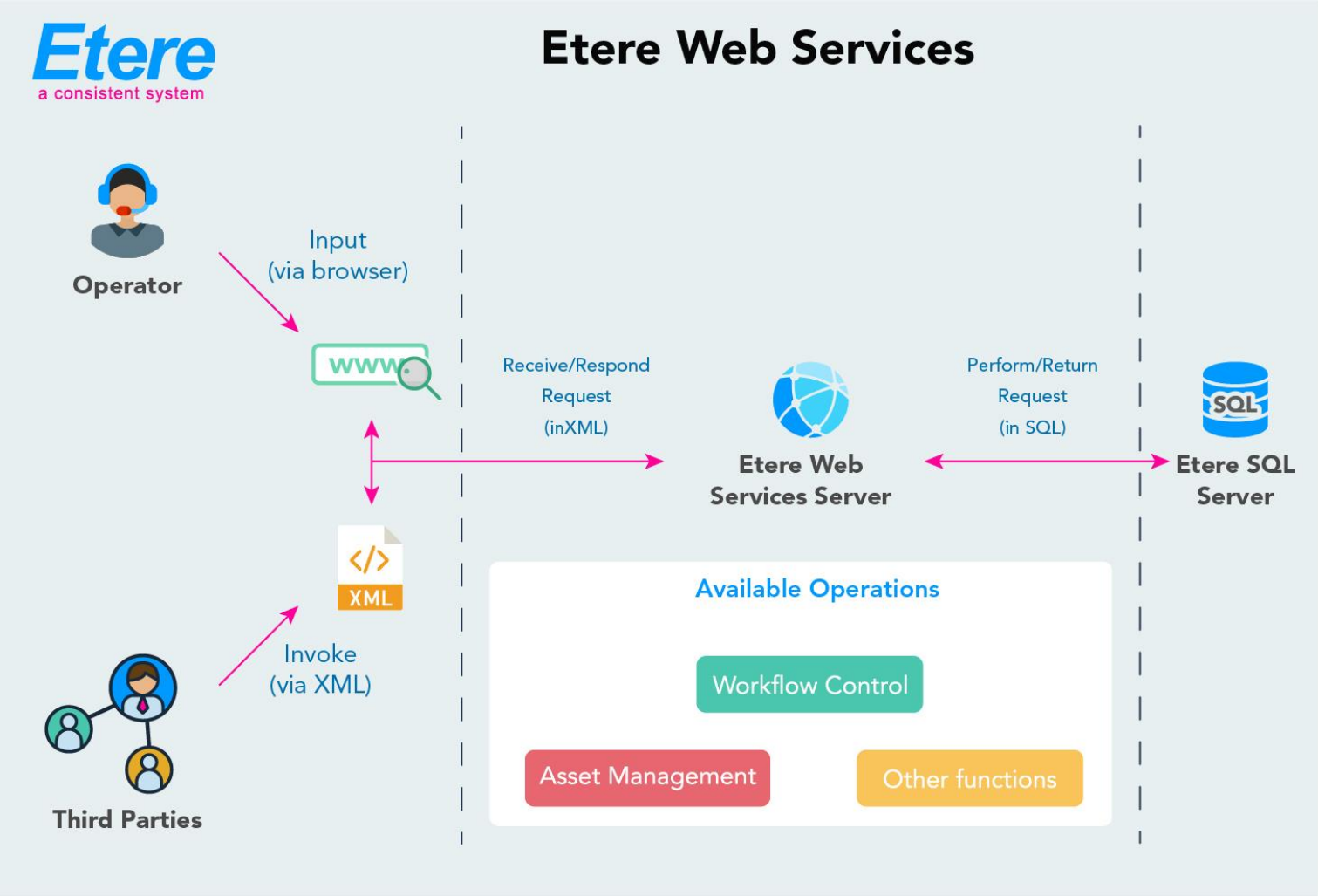
Web Services

- Web services are fast
- The client service architecture allows the client to ASK for info, and not wait that some info is dropped
- The client can ask other info, anytime, do not need to wait for someone to drop it
- A files in the webservice is send as UNC link, no file will be moved unless necessary
- Bandwith will be saved
- Speed will increase
- Last minute operation is always possible



Who Uses the Web Services

- All the most important IT brands
- All the biggest Broadcast companies has a webservice application
  - AVID
  - HARMONIC
  - Grass Valley
  - NEC
  - Aspera
  - Signiant



Web Service Architecture