DSE Final Project

An incentive-compatible decentralized file storage

Main goals

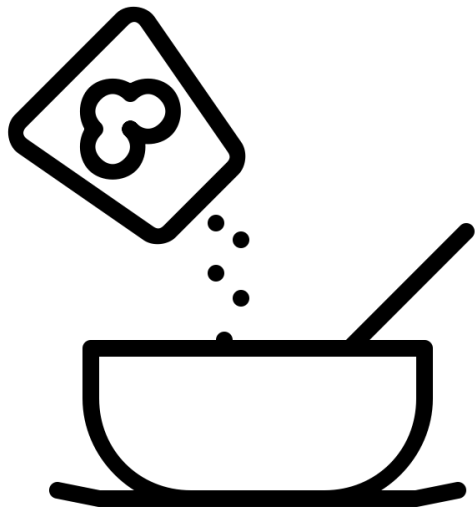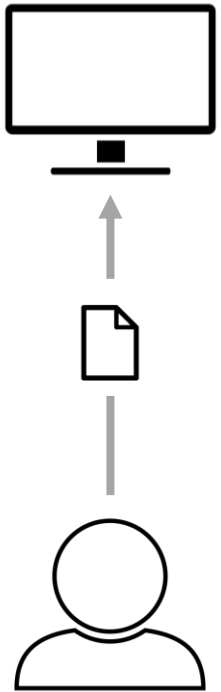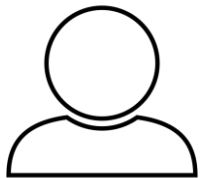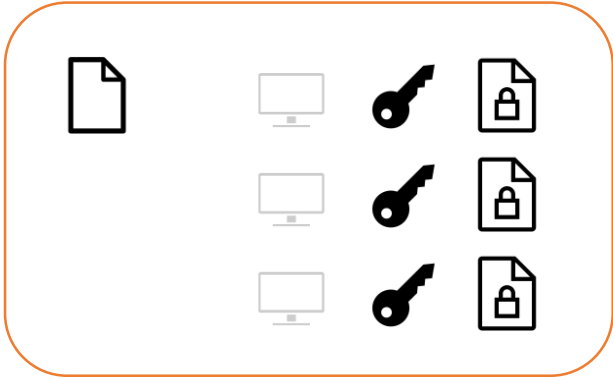|		
{01}	**{02}**	**{03}**
Extend Peerster to make it feasible for **private files**	Tolerate temporary node failures while maintaining **file availability**	Ensure **incentive-compatibility**

Ingredients
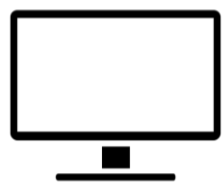
Symmetric encryption → AES

Public and private key encryption → RSA
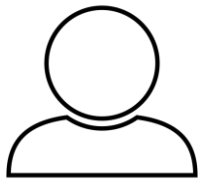
Cryptographic hash function → SHA

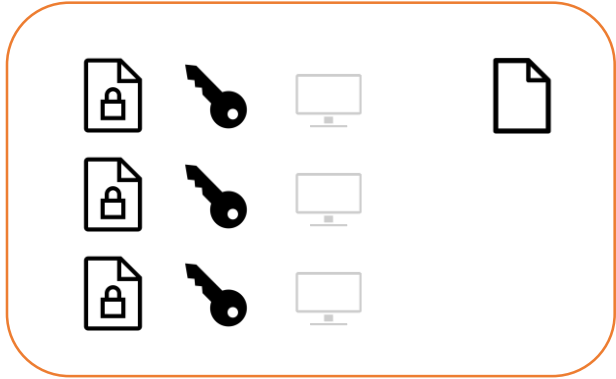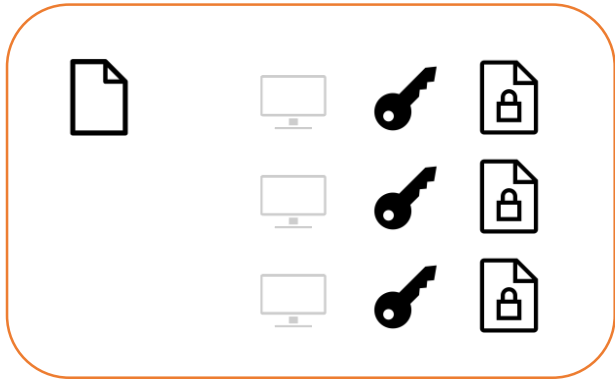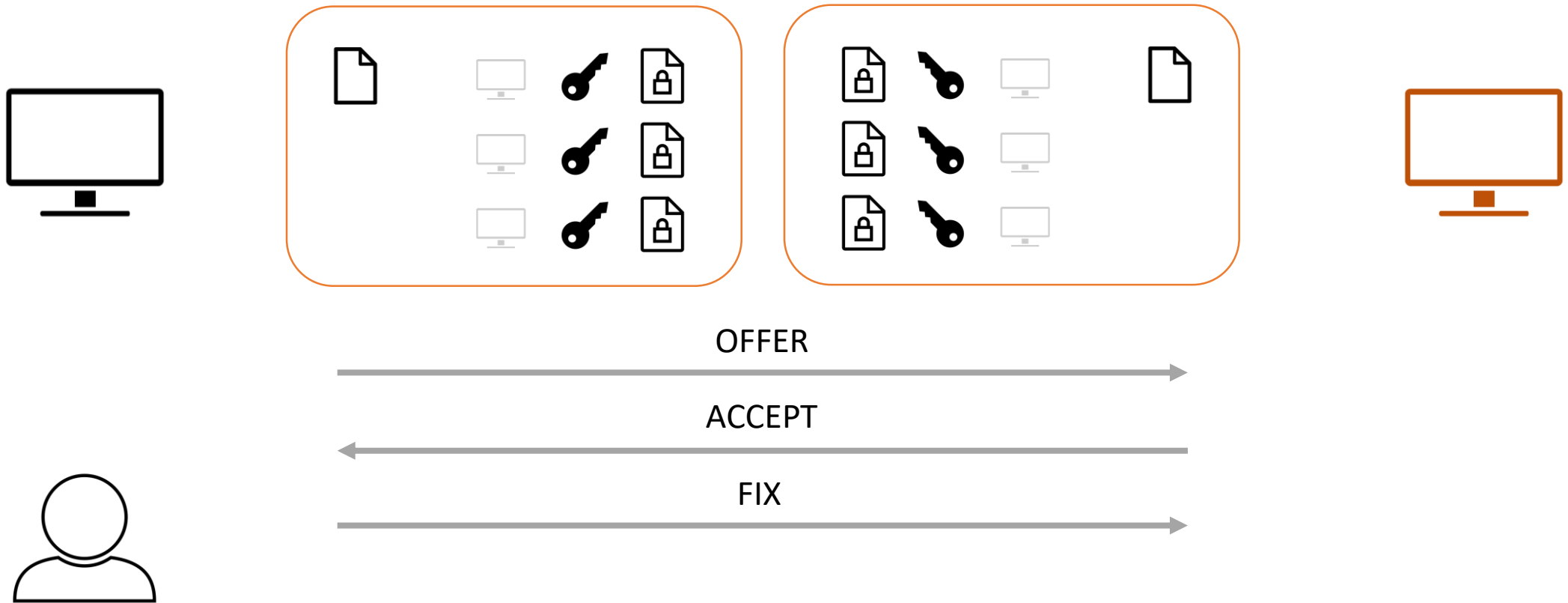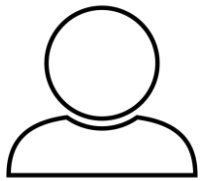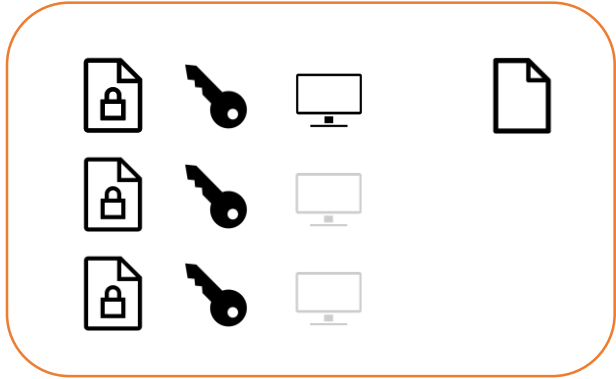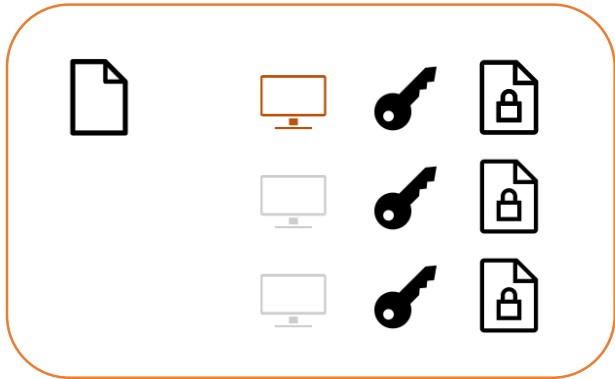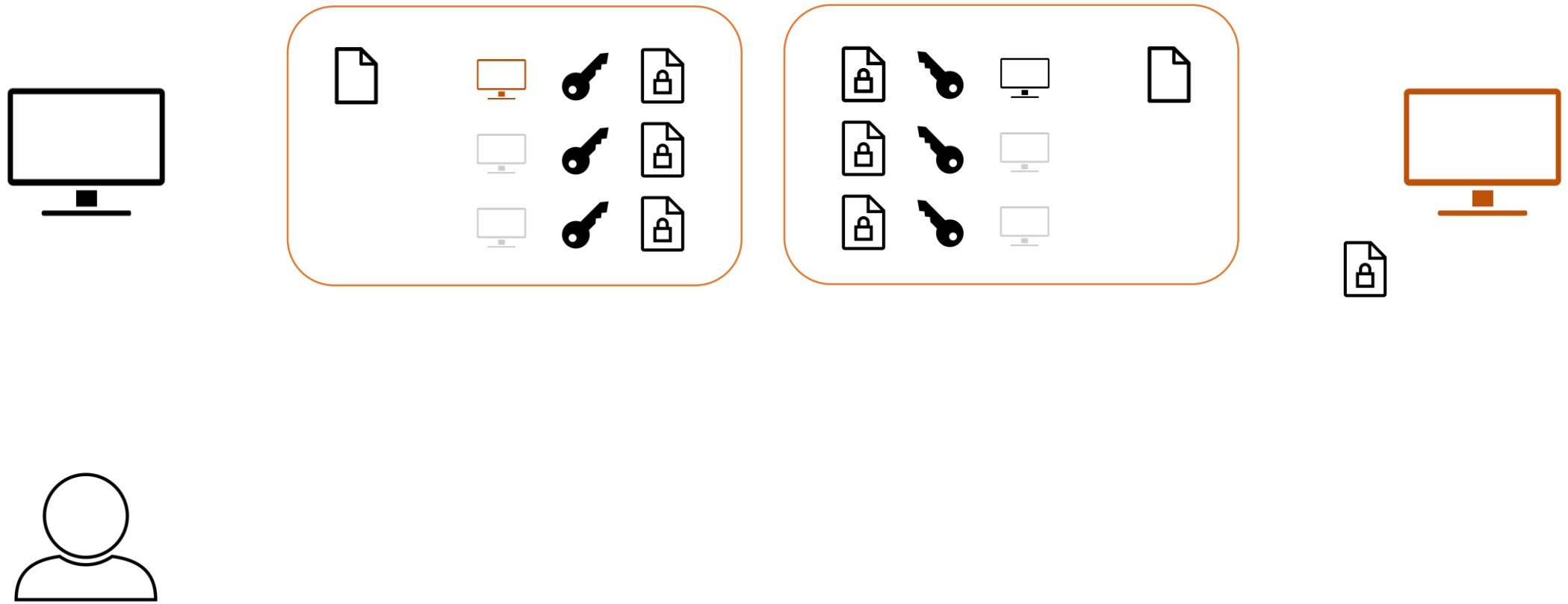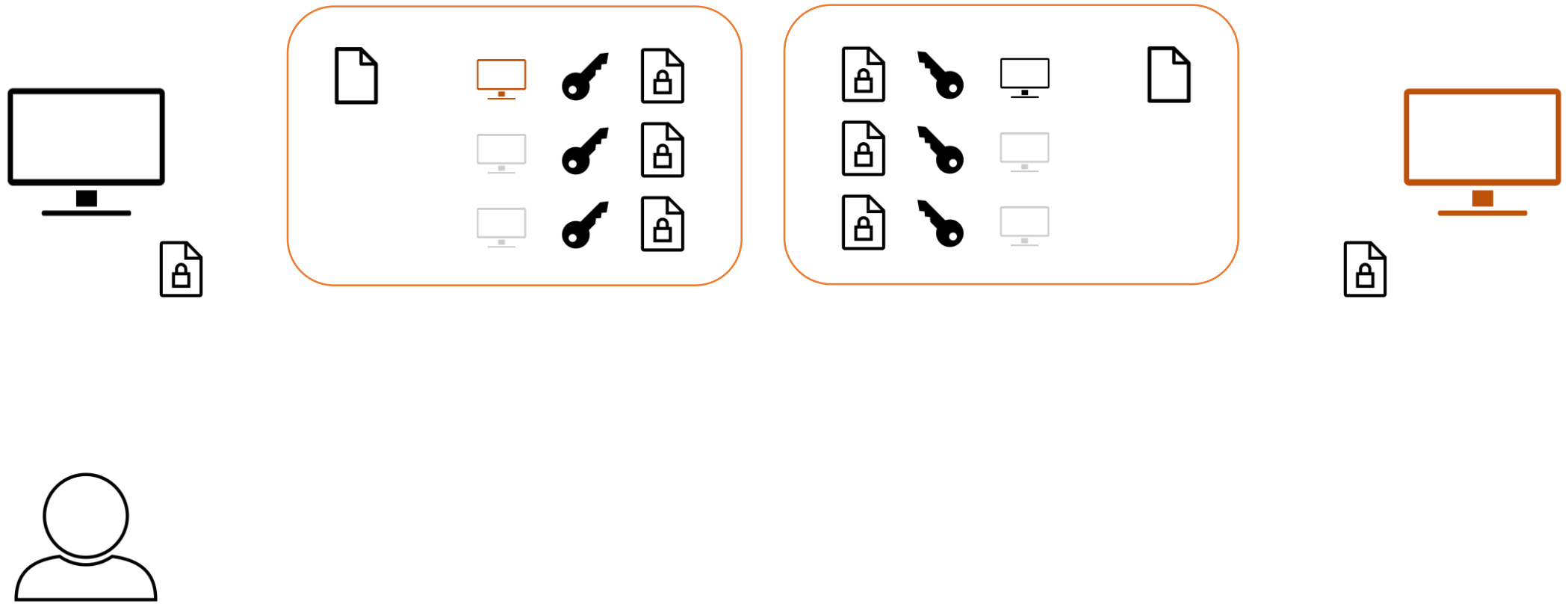# Architecture

Architecture

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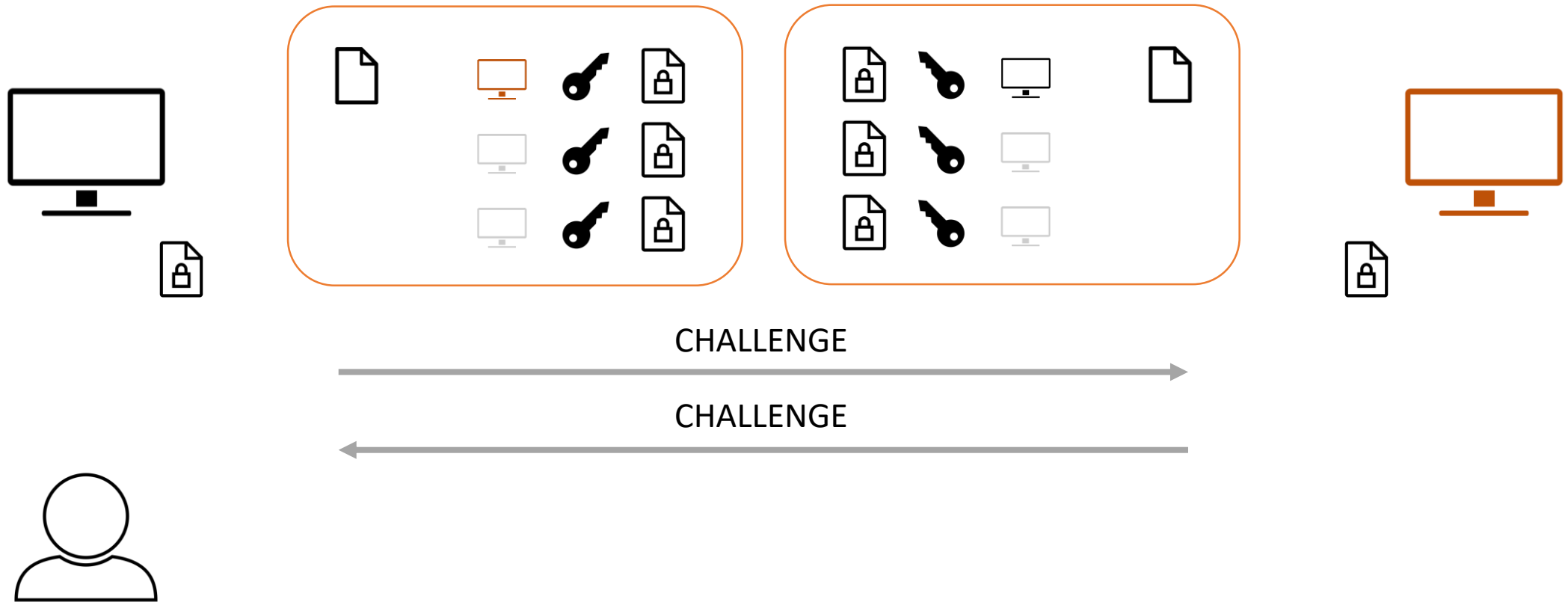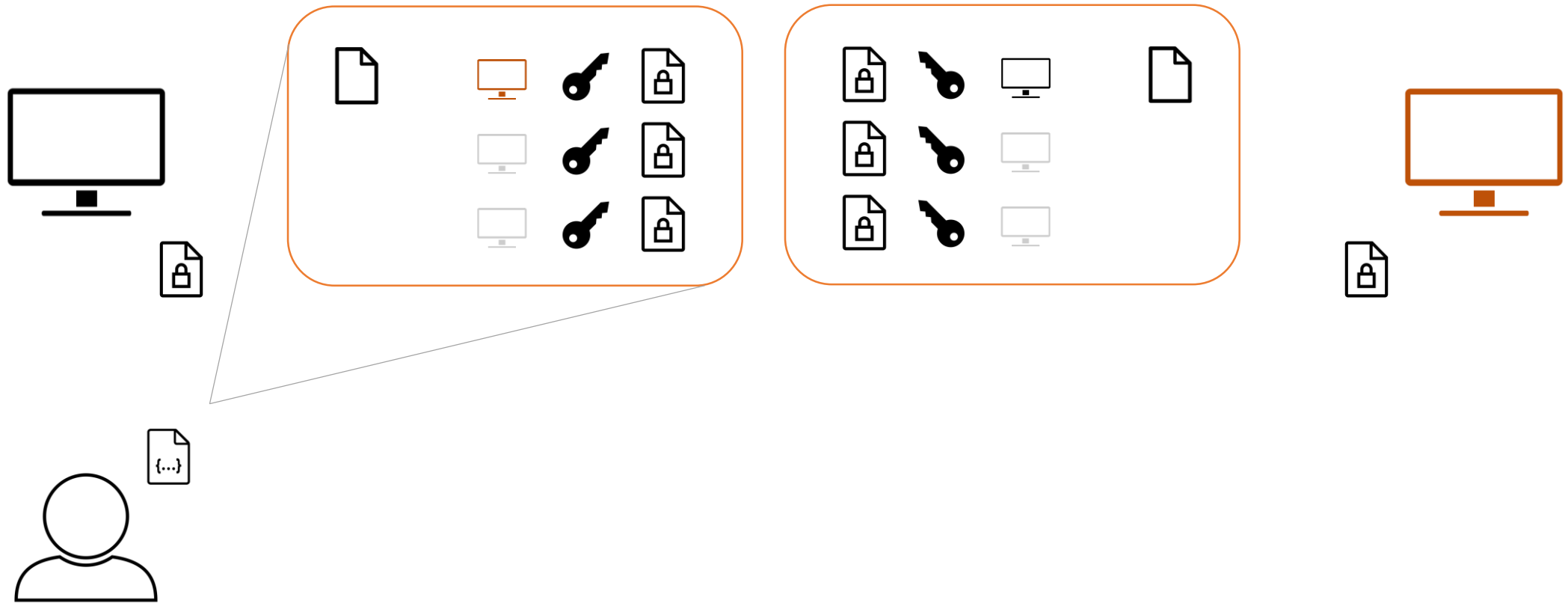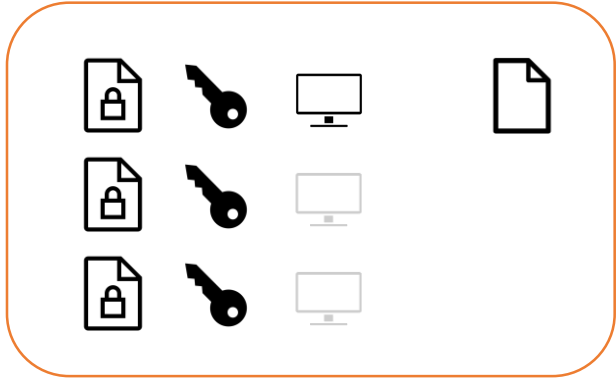# Architecture

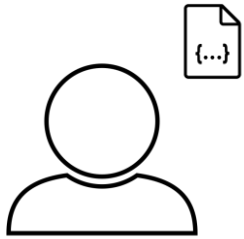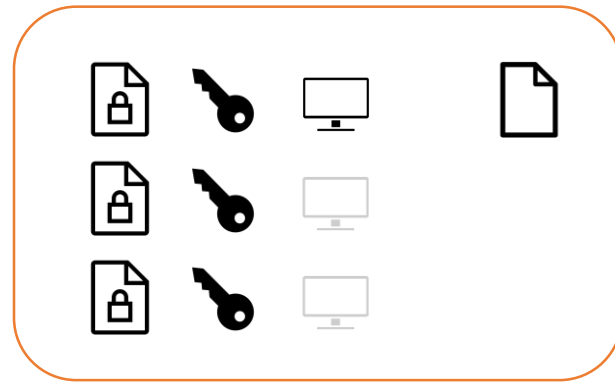CHALLENGE

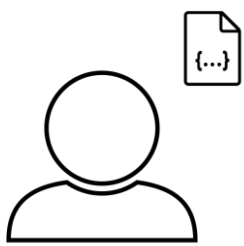CHALLENGE
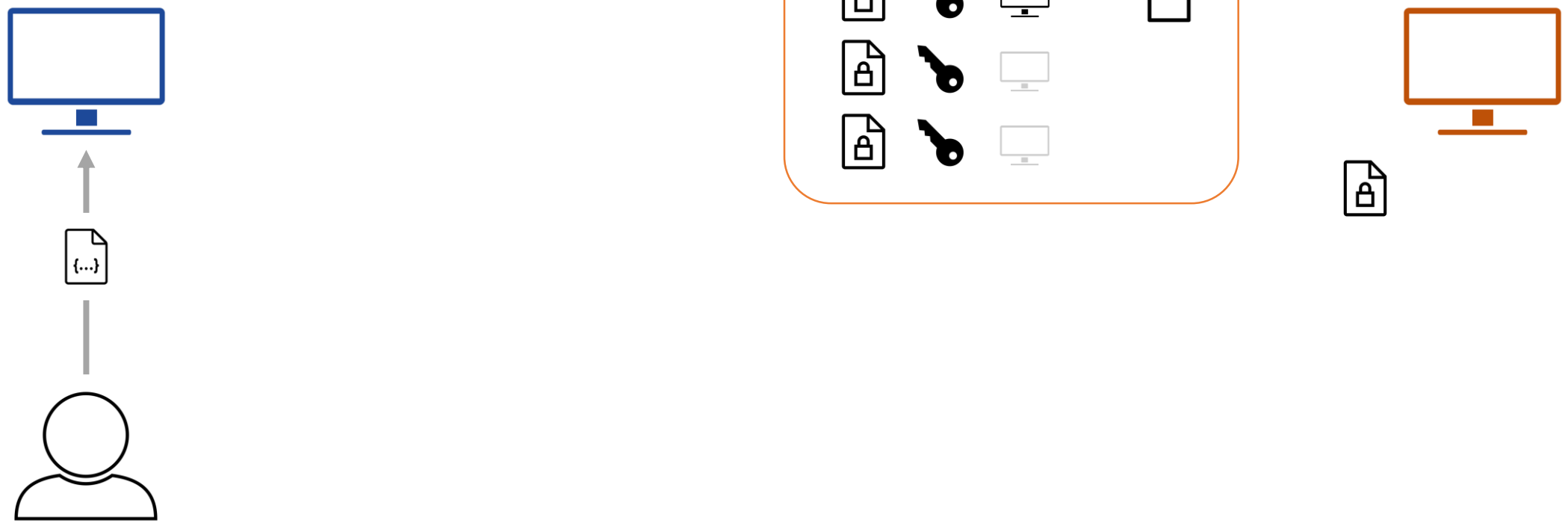
Architecture
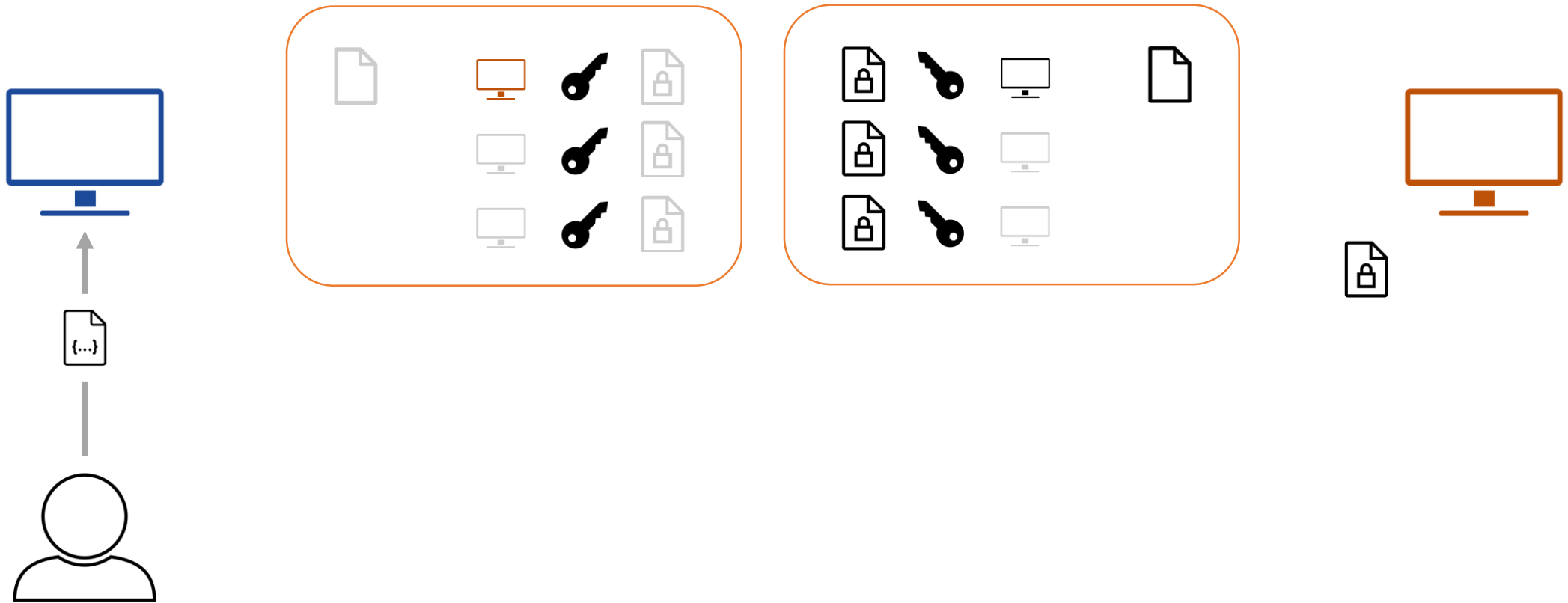
Architecture
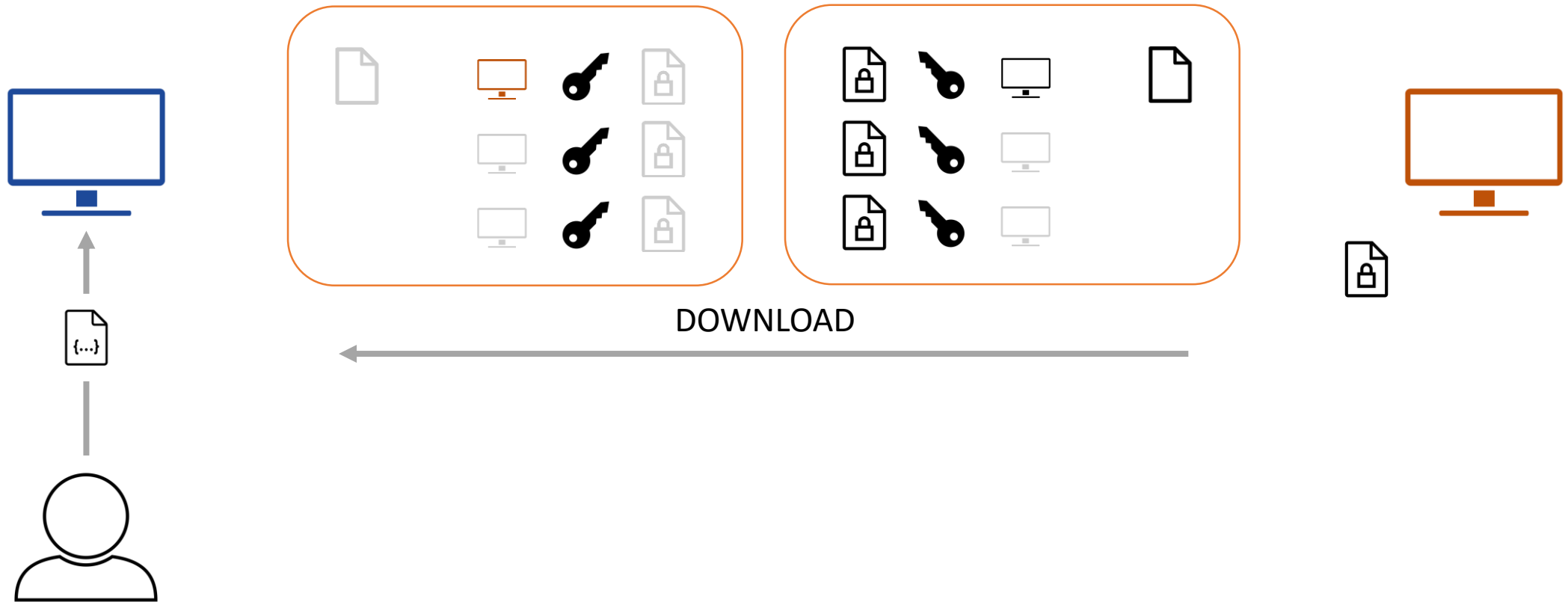
Architecture

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Demo Video

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