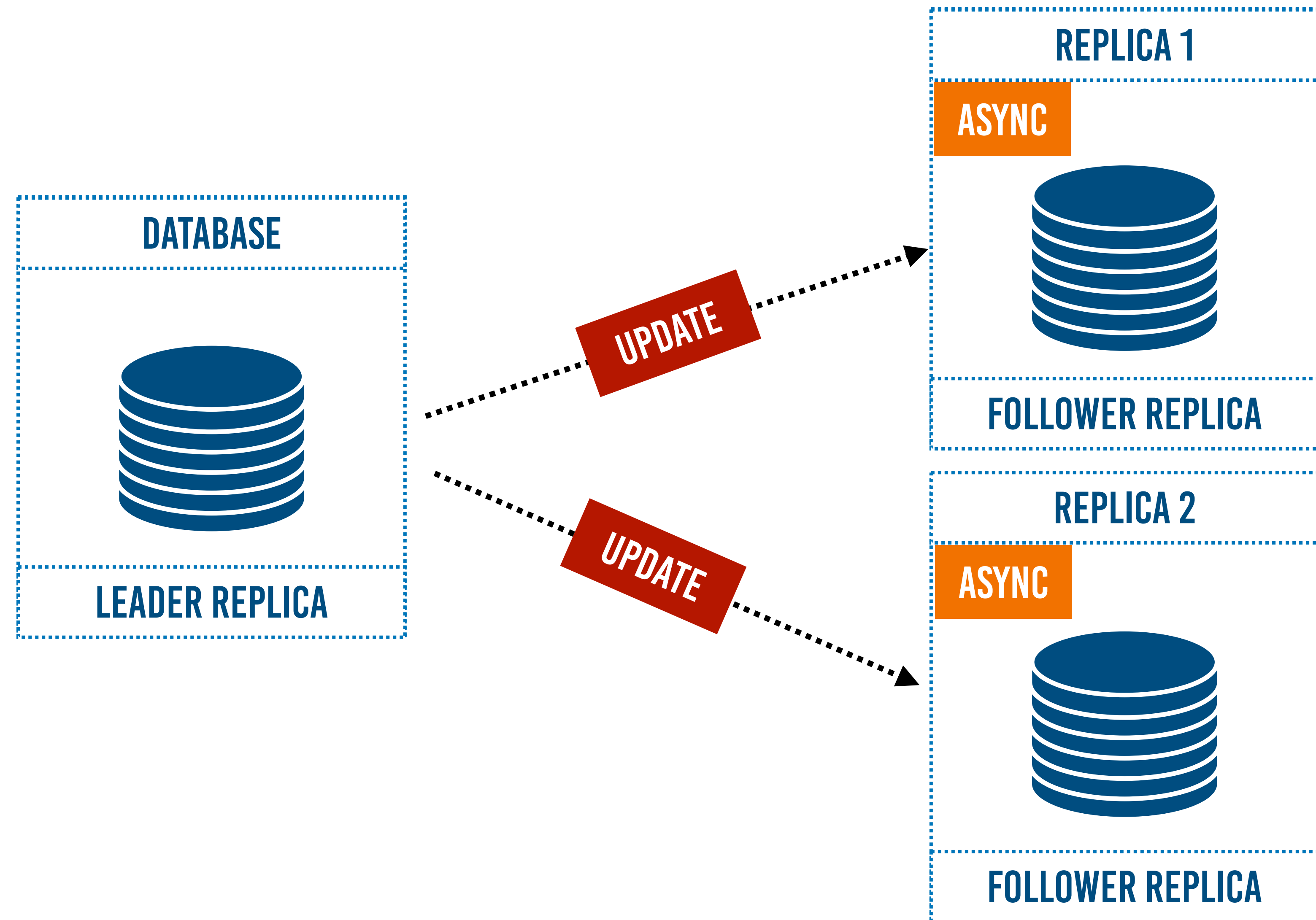


DESIGNING DATA-INTENSIVE APPLICATIONS



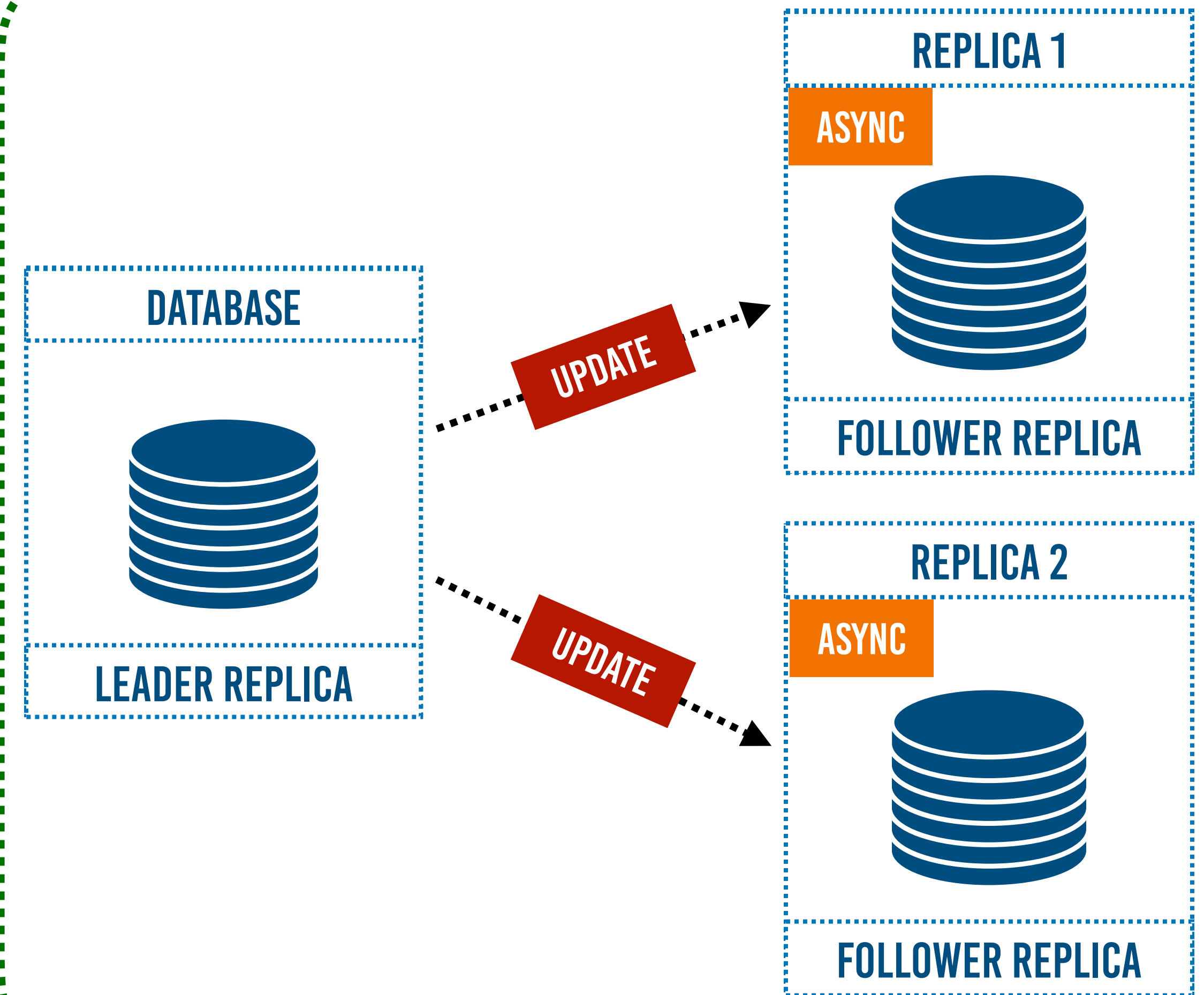
MULTI-LEADER REPLICATION

LEADER-BASED REPLICATION



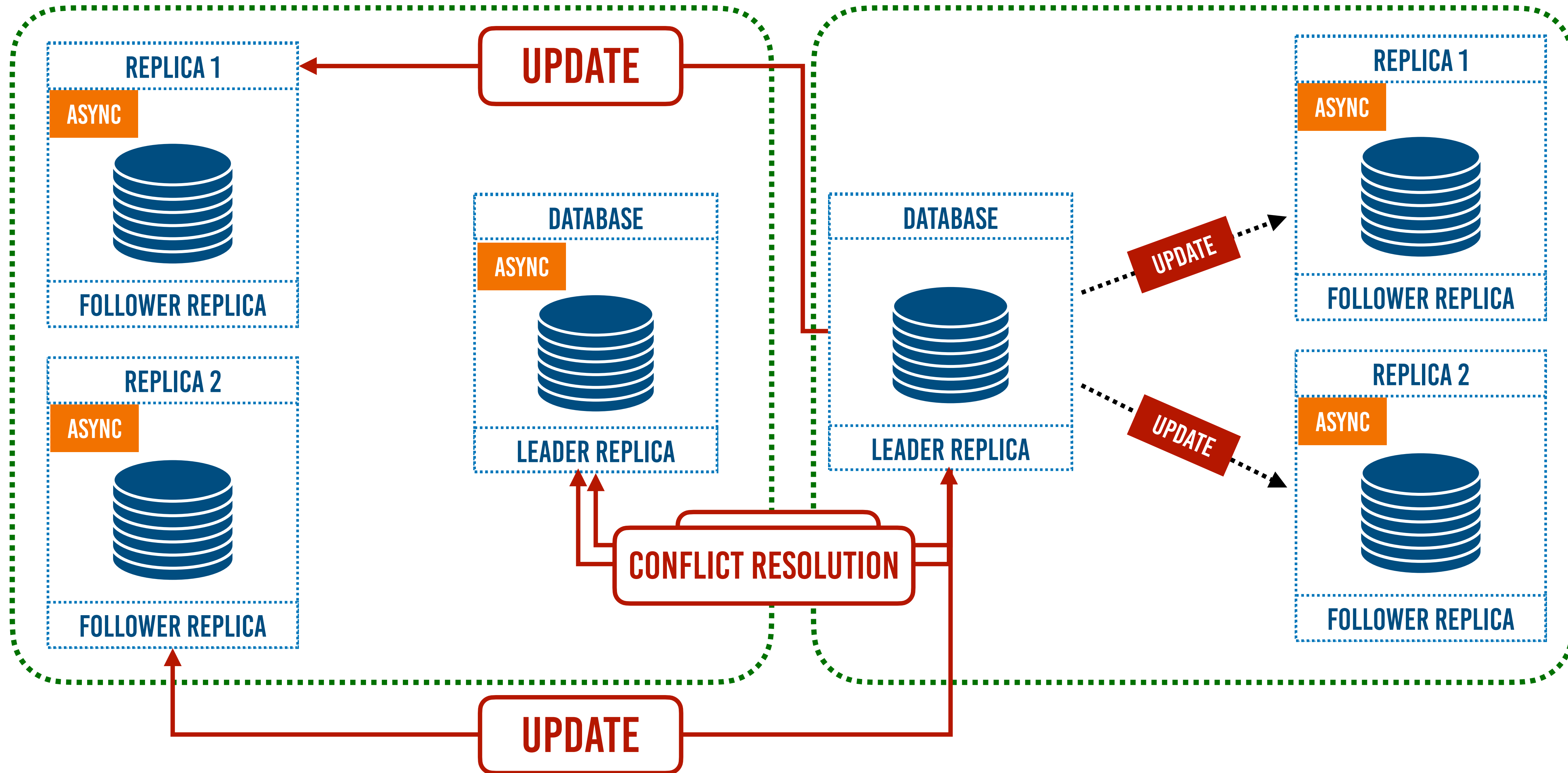
DATA CENTER 2

DATA CENTER 1



DATA CENTER 2

DATA CENTER 1



CONVERGENT CONFLICT RESOLUTION

**LAST WRITE
WIN**

LWW

ON WRITE

ON READ

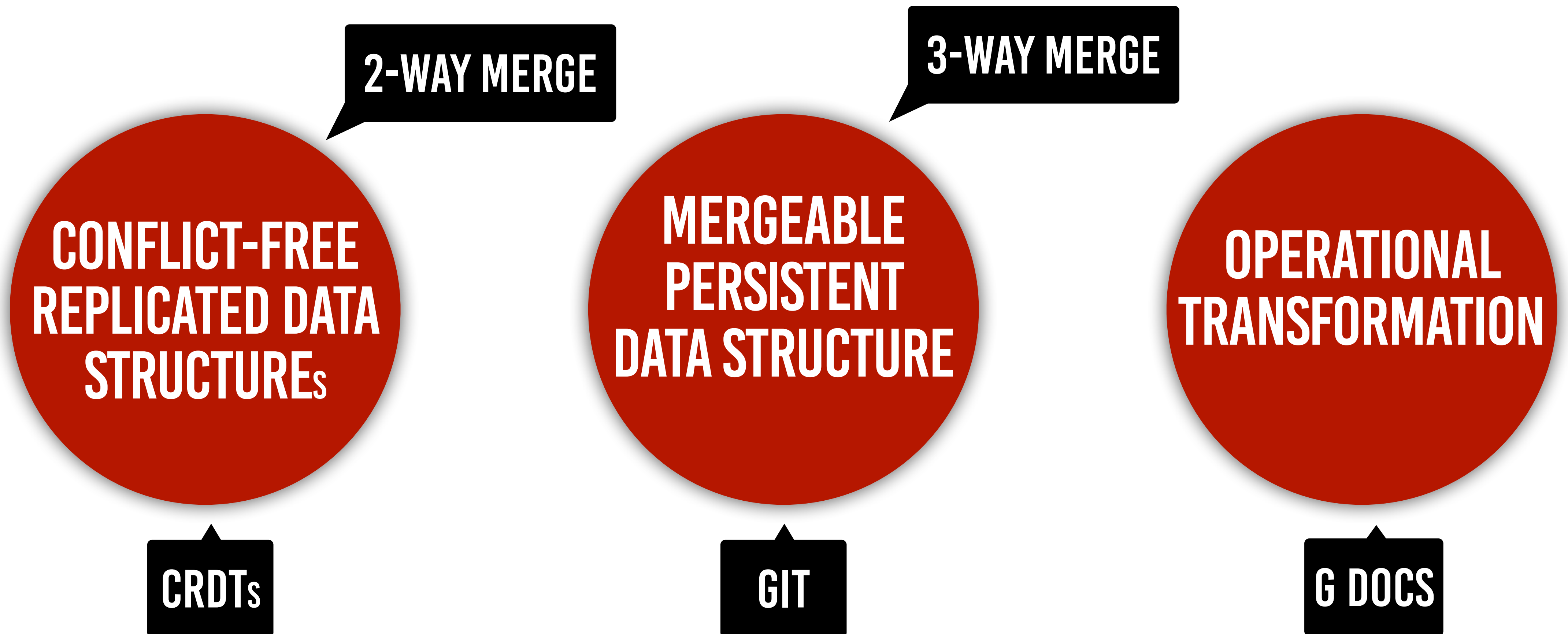
CONVERGENT CONFLICT RESOLUTION

A/B

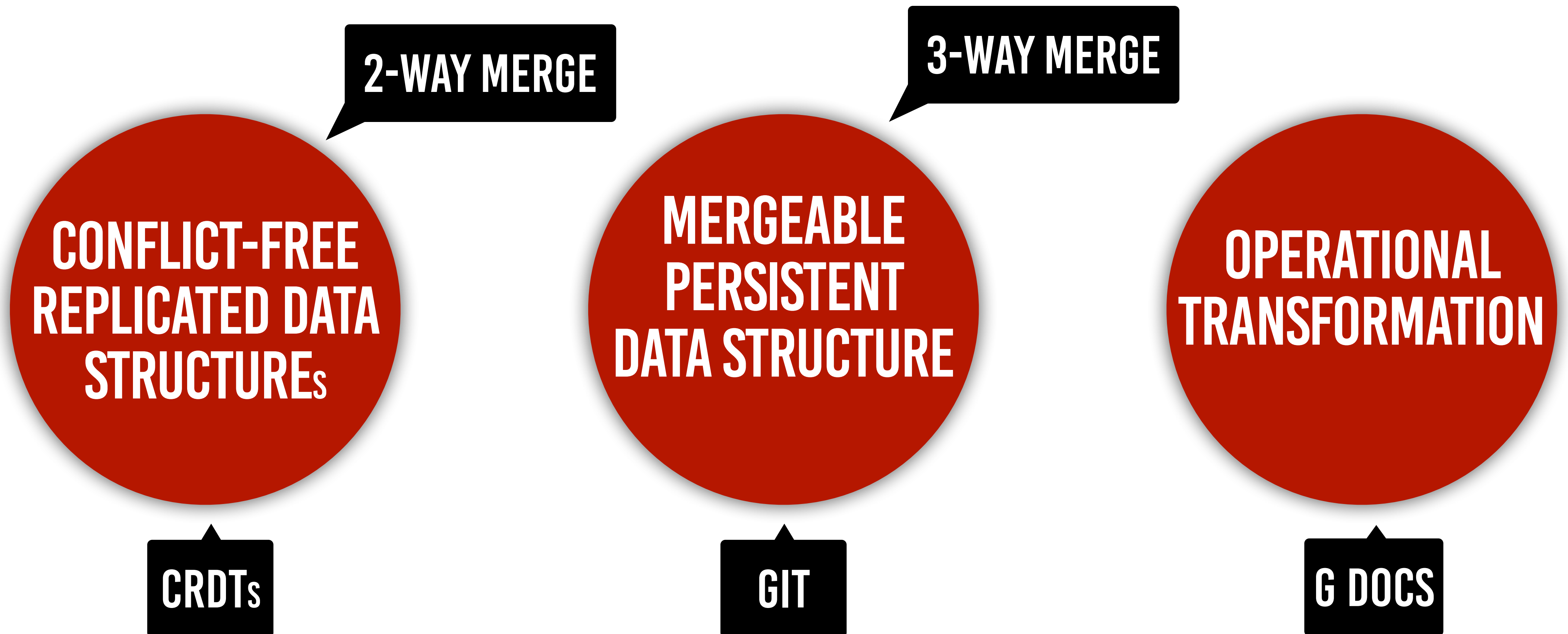
**LAST WRITE
WIN**

LWW

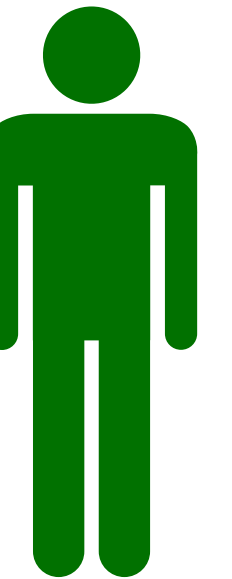
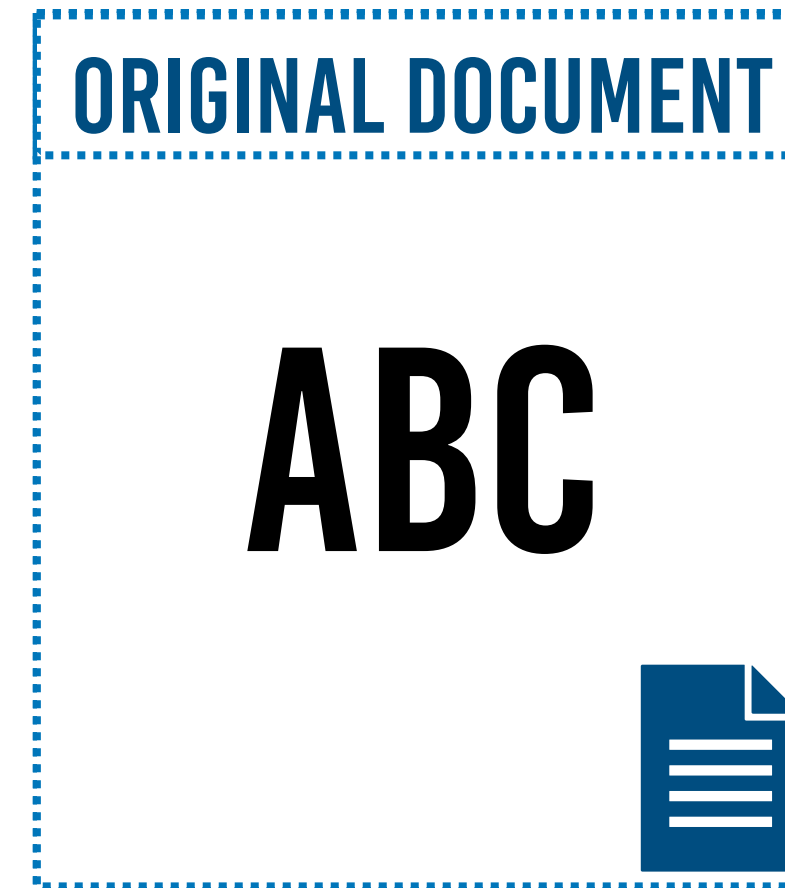
AUTOMATIC CONFLICT RESOLUTION



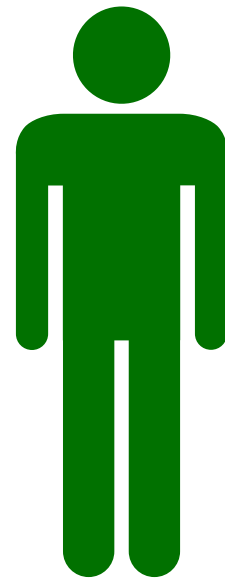
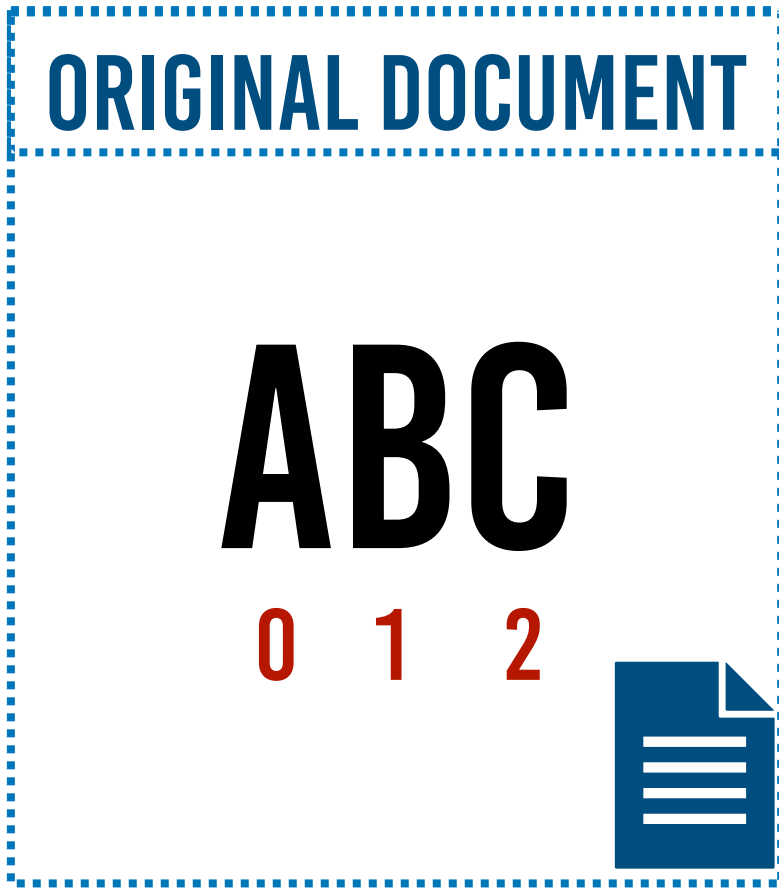
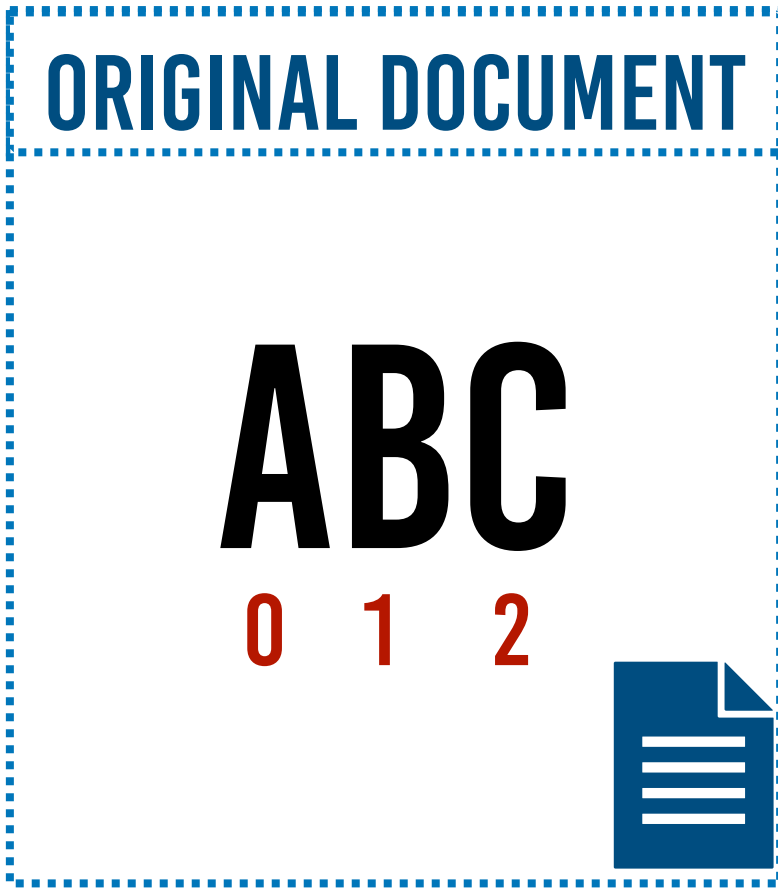
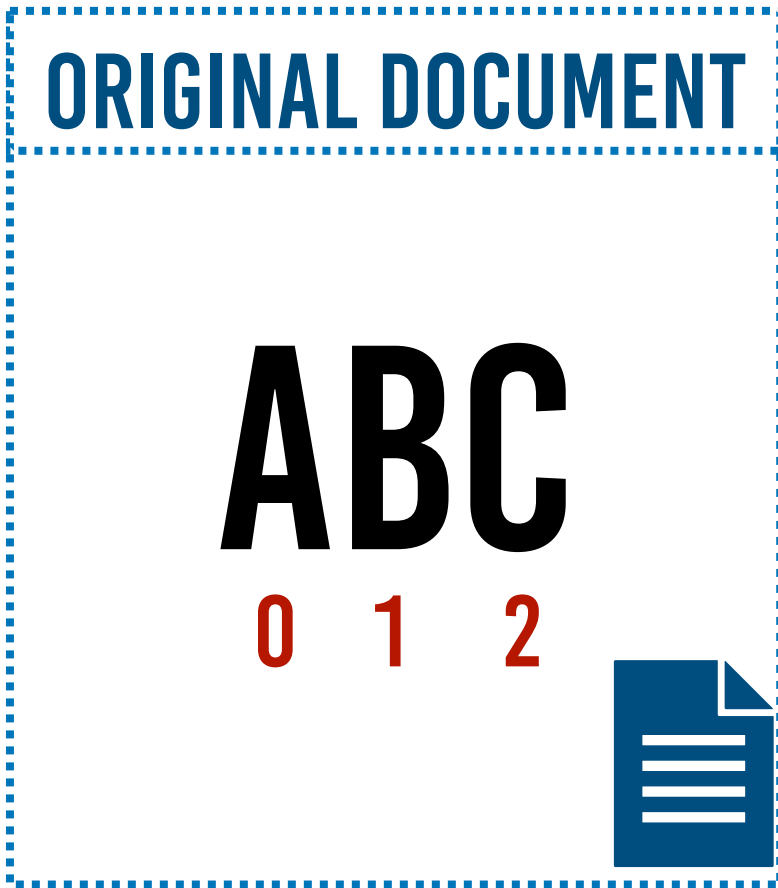
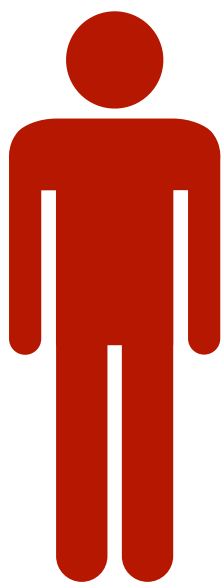
AUTOMATIC CONFLICT RESOLUTION



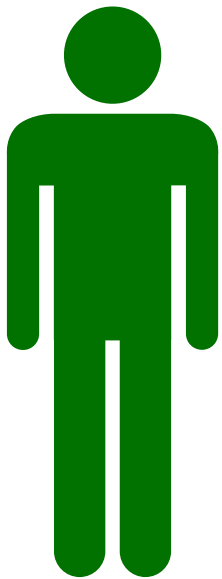
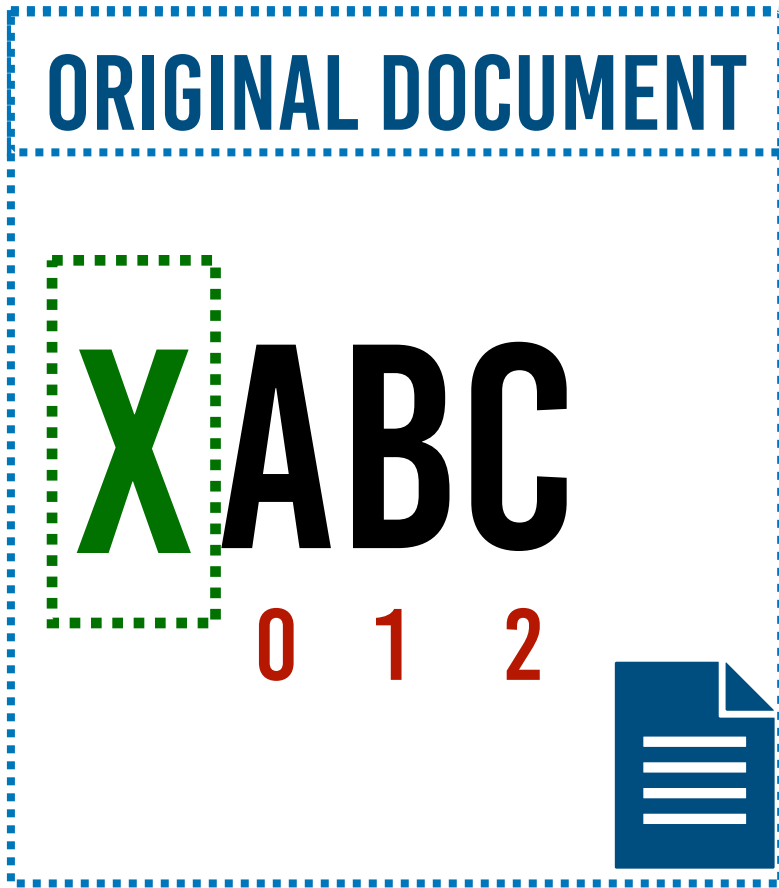
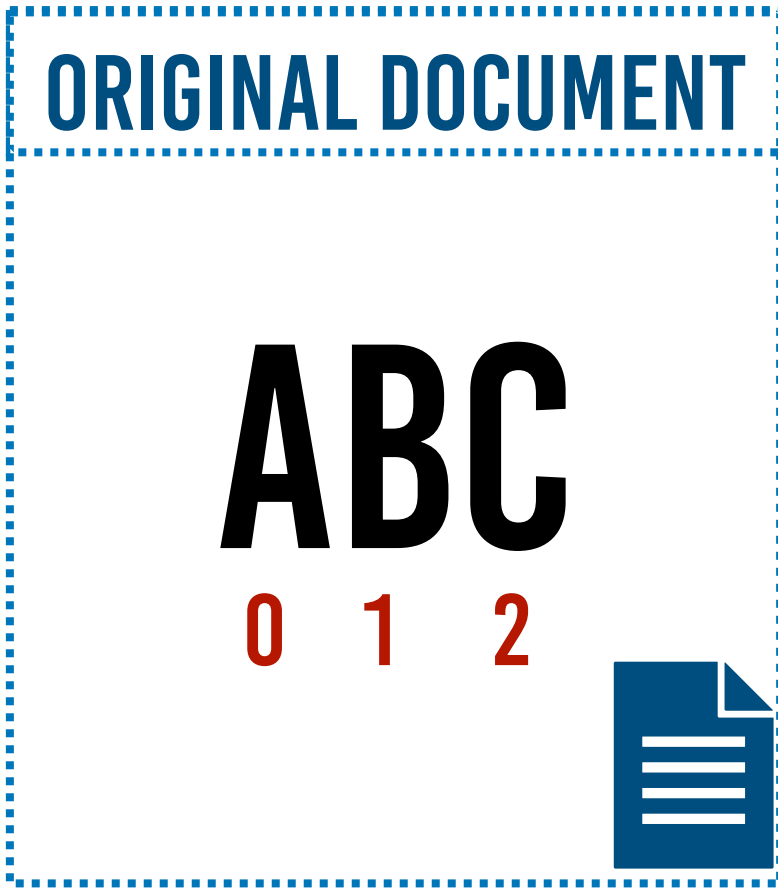
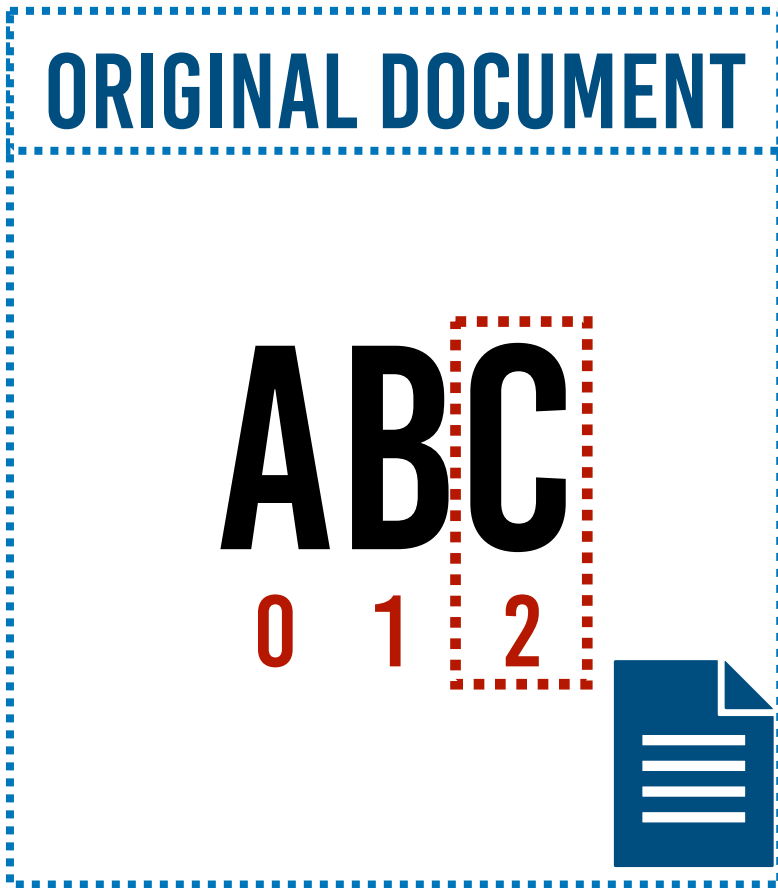
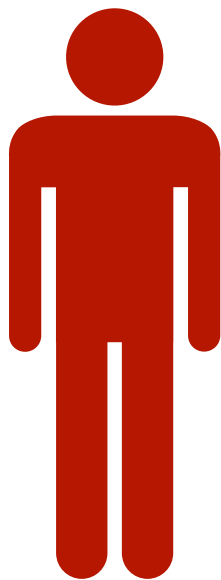
OPERATIONAL TRANSFORMATION



OPERATIONAL TRANSFORMATION



OPERATIONAL TRANSFORMATION



OPERATIONAL TRANSFORMATION

