



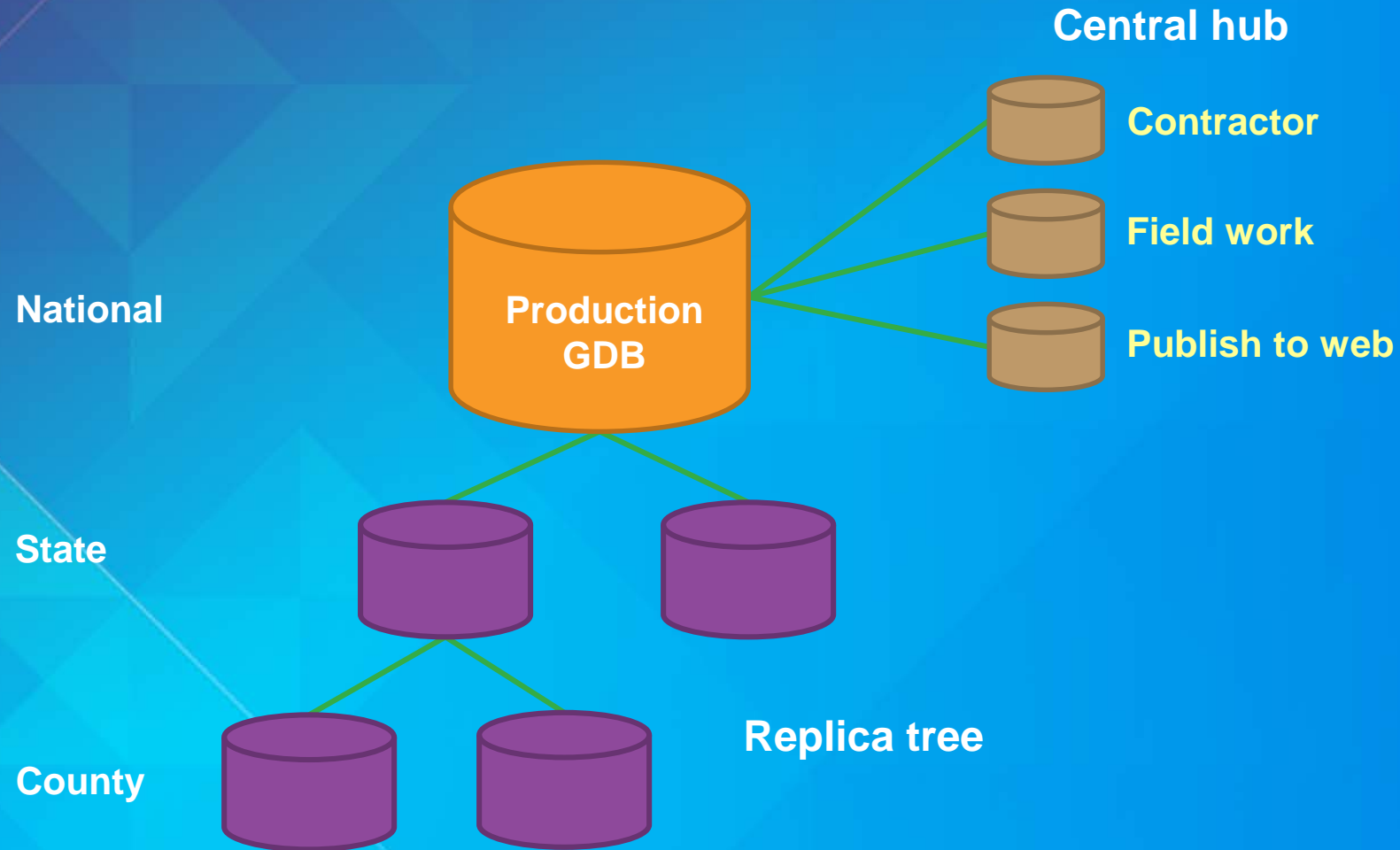
Managing your Distributed Data

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Overview

- **Why Distribute Data**
- **Geodatabase Replication**
- **Sync Engine (Offline Editing for Mobile Apps)**

Why Distribute Data

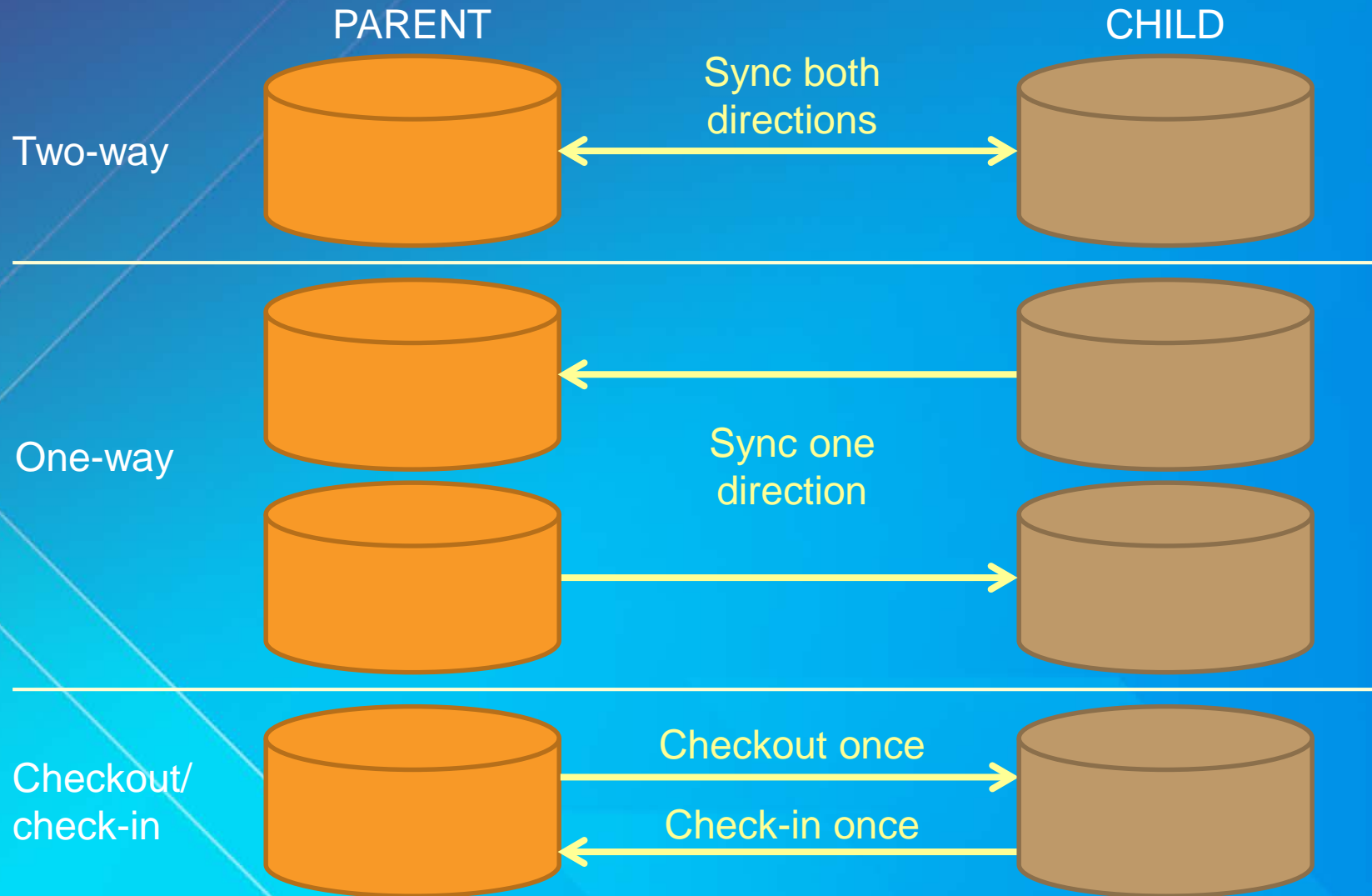


Geodatabase Replication Overview

- **Distribute data** across 2 or more geodatabases
 - creation of a Replica Pair
- Geodatabases are edited **independently**
 - Loosely coupled
- **Synchronize** edits



Three types of replication



Demo

Replication

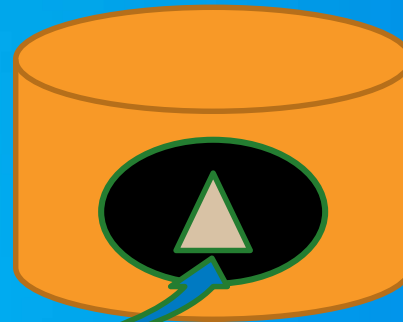
- Two-way
- One-way
- Checkout/Checkin

Schema Changes

Parent

Child

- 1 Compare schemas
- 2 Export changes



- 3 Import changes

Disconnected replication

Data sender

Data receiver

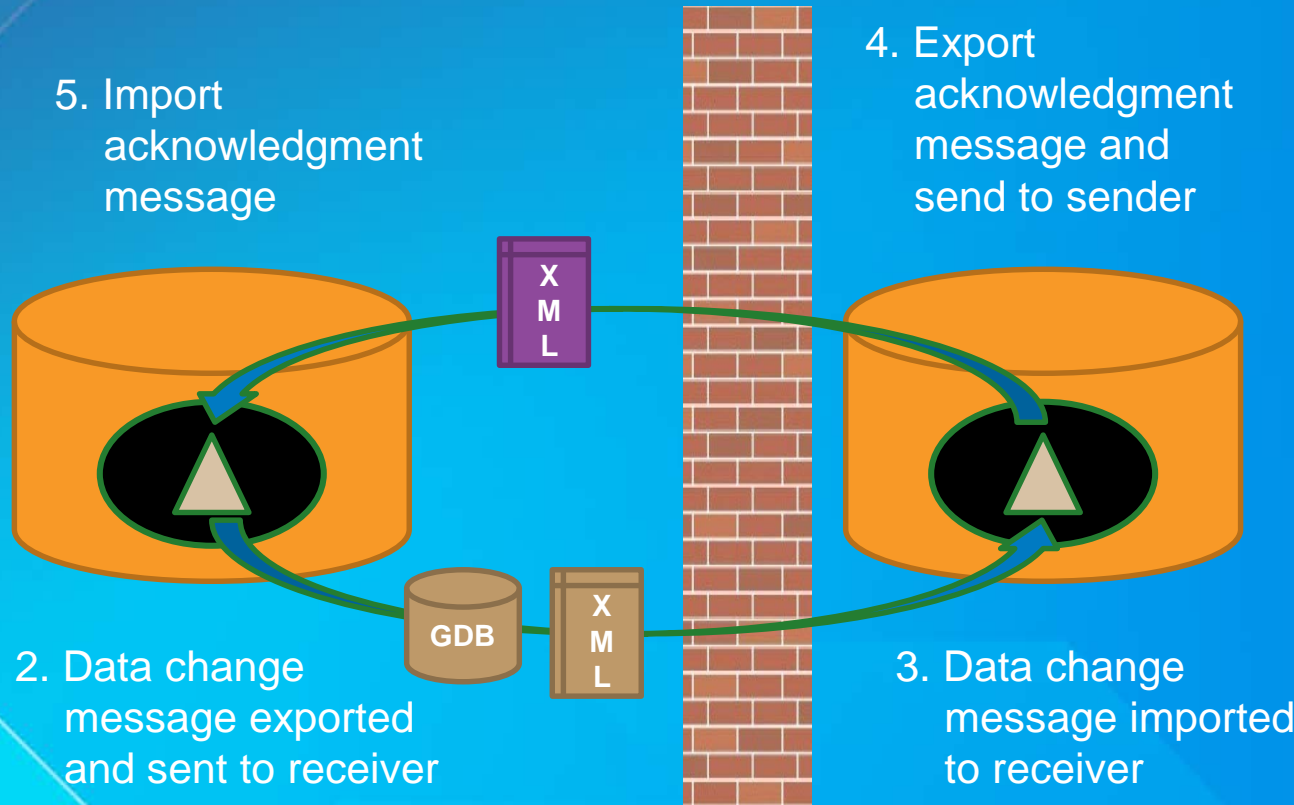
1. Edit made to sender

5. Import acknowledgment message

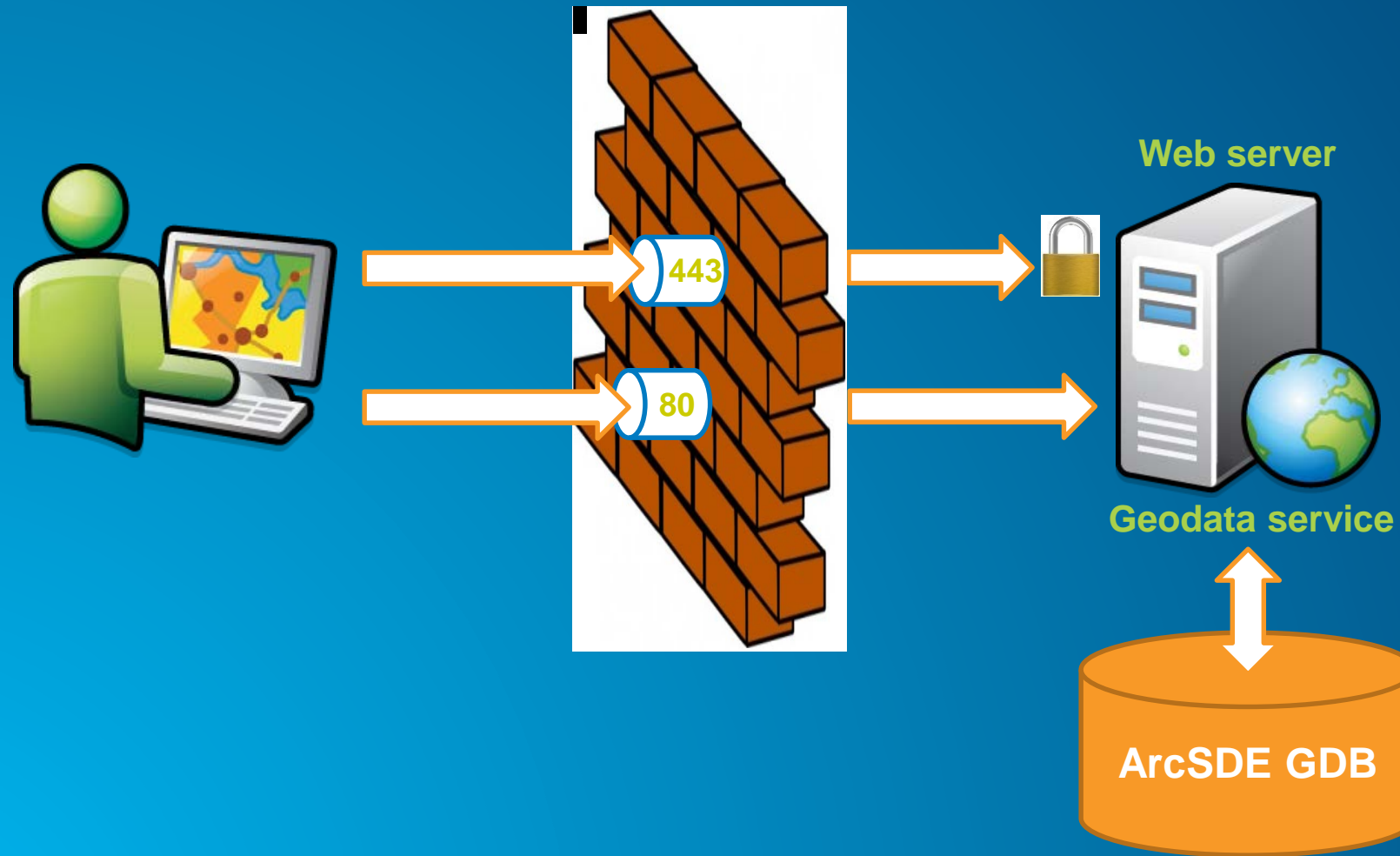
2. Data change message exported and sent to receiver

4. Export acknowledgment message and send to sender

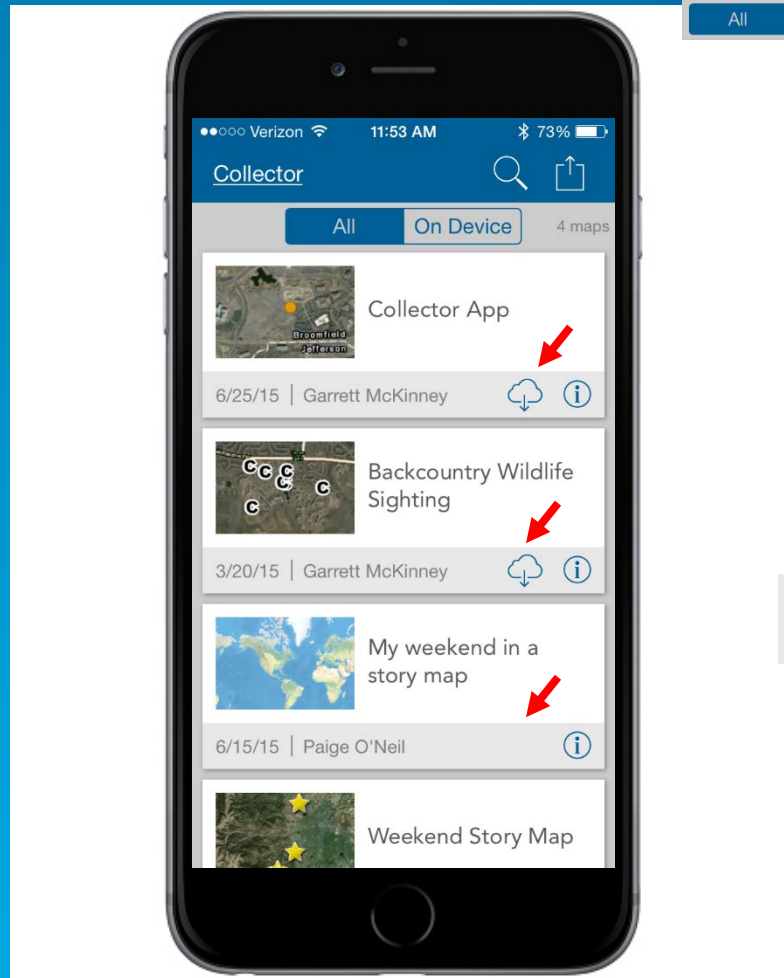
3. Data change message imported to receiver



How does a geodata service work?



Webmaps the user has permissions to



Toggle between all maps and maps saved to your device



Cloud with down arrow indicates web map is offline capable



Cloud with arrows going up and down indicate map is downloaded to device



Cloud with a value in red indicates edits have been made and are available for syncing

Thank you...

- Please fill out the session survey:

Session ID: 742

Use *Offering ID* : Wednesday 1599 or Thursday 1688

Online – www.esri.com/ucsessionsurveys

Paper – pick up and put in drop box



Understanding our world.