Database Failover Protection
Prevent Scale Downtime

Don't let a lost network connection shut down your vehicle-weighing operation. Database failover protects against downtime by providing a backup database for each workstation. It enables scale operators to continue weighing if communication with a network database is interrupted.

DataBridge™ MS software is available with an optional failover module. Database failover is designed for network applications in which multiple DataBridge™ workstations are connected to a shared database. It protects against scale downtime, ensuring that your weighing operations can continue if network communication fails.
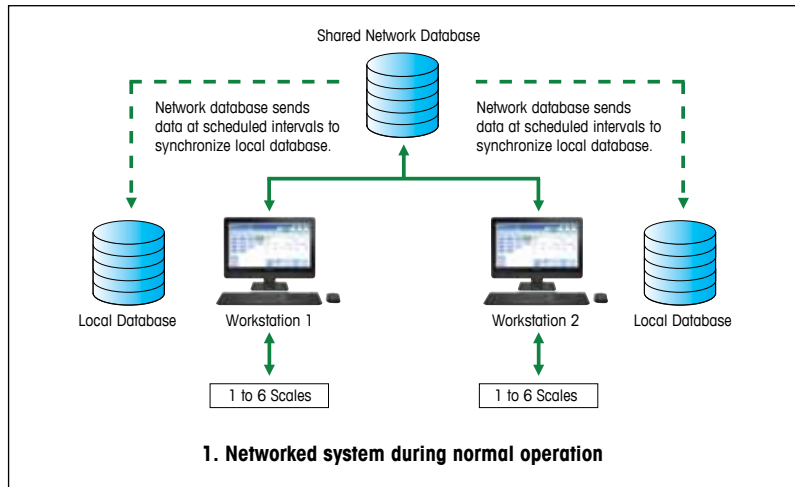
Database failover requires no operator intervention to switch to and from backup databases. It keeps both attended and unattended weighing operations running without interruption.
• Operates automatically
• Eliminates scale downtime
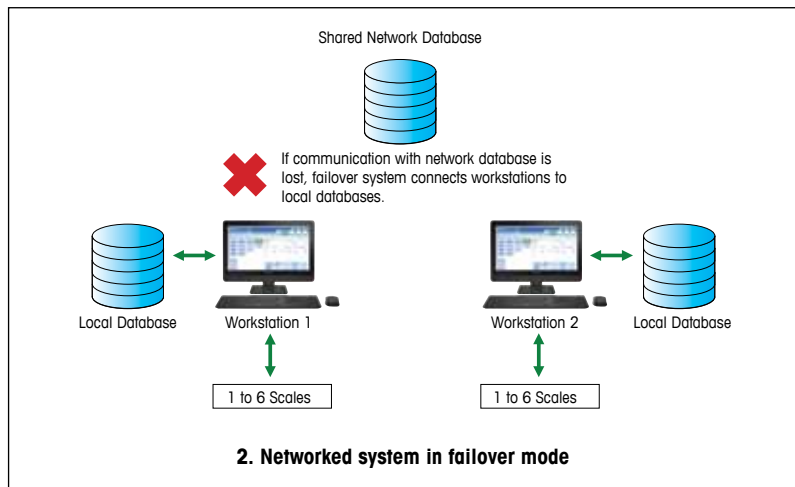• Prevents data from being lost

METTLER TOLEDO

1. Normal Operation

To process weighing transactions, each workstation retrieves data from a shared network database and sends completed transaction records back to the network database for storage. The network database keeps the local databases synchronized by sending them regularly scheduled updates. There is no communication between a workstation and its local database.

Shared Network Database

Network database sends data at scheduled intervals to synchronize local database.

Network database sends data at scheduled intervals to synchronize local database.

Local Database | Workstation 1 | Workstation 2 | Local Database

1 to 6 Scales | 1 to 6 Scales

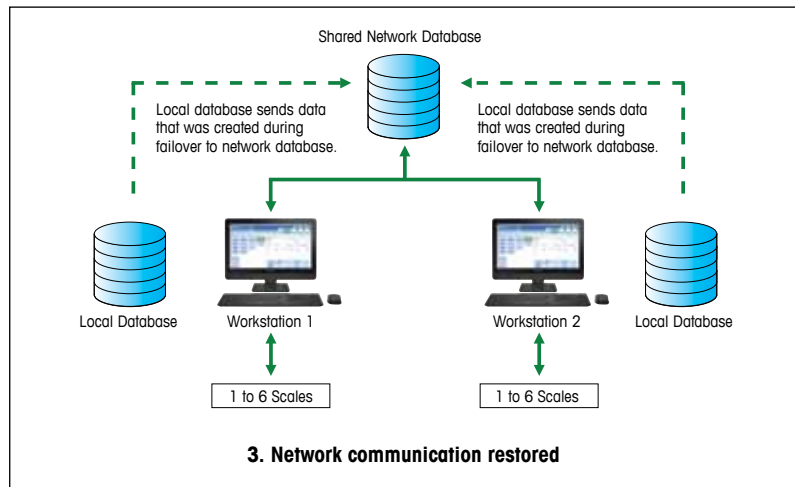**1. Networked system during normal operation**

2. Failover Mode

If communication is lost between the workstations and the network database, the failover system automatically enables communication between each workstation and its local database. Each workstation can continue to process transactions using data from its local database and storing completed transaction records there.

Shared Network Database

If communication with network database is lost, failover system connects workstations to local databases.

Local Database | Workstation 1 | Workstation 2 | Local Database

1 to 6 Scales | 1 to 6 Scales

2. Networked system in failover mode

3. Communication Restored

When the network connection is restored, the failover system switches the workstations back to the network database so that normal operation can resume. Any transactions and other data that were entered in the local databases during failover are transferred to the network database so that no data will be lost.

Shared Network Database

Local database sends data that was created during failover to network database.

Local database sends data that was created during failover to network database.

Local Database | Workstation 1 | Workstation 2 | Local Database

1 to 6 Scales | 1 to 6 Scales

3. Network communication restored

www.mt.com/DataBridge

For more information