

T.Brother

Redundant Server

T.Brother is an intelligent server designed to apply standby redundancy to a T.Lion server. This is also known as backup redundancy, where the system has an identical secondary unit to back up the primary unit.



BENEFITS

Administrators using the T.Brother solution will benefit from the following:

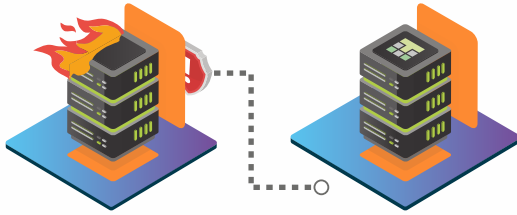
- TASSTA communication facilities will have improved availability. By complementing T.Lion with T.Brother, server admins ensure that the end user deploys TASSTA services with higher availability.
- For maintenance purposes (such as updates and backups), T.Lion can be stopped without any service downtime.
- Data integrity and backup. As technology evolves and businesses become hyper-connected, the need to protect critical data is becoming incredibly important. For organizations that provide essential services such as healthcare, transportation or energy, data failure could be disastrous. The redundant solution is an advanced technology that enables enterprises to enhance data security.

AVAILABILITY AND FAULT TOLERANCE

Availability is measured as a percentage, where 100% availability is the best that can be expected. Without redundancy, reliable systems can be expected to perform 99% of the time. However, 1% downtime translates into 90 hours per year, or about 3.5 days. For many organizations, 3.5 days without information system support would be either catastrophic or at least very expensive.

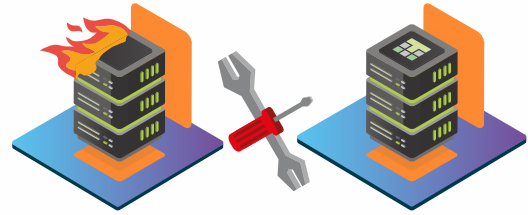
T.Brother can improve system reliability up to 99.999%, or five minutes per year. At this level of system reliability, it is far less likely that extrinsic factors will interrupt the service.

■ Redundancy



TASSTA communication facilities get improved availability. By using our redundant T.Brother server, you ensure that end users deploy TASSTA services with the maximum reliability.

■ Data Integrity and Backup



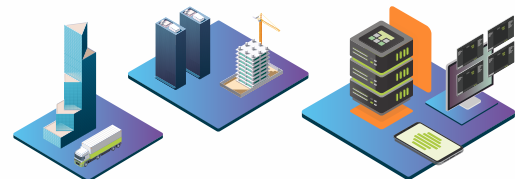
In a master–slave configuration, data from the master (T.Lion server) is replicated to the slave (T.Brother server). The replication can be temporarily disabled to maintain a consistent state of information on the slave. Then it is possible to back up the database using any appropriate backup mechanism.

■ Data and Voice Encryption



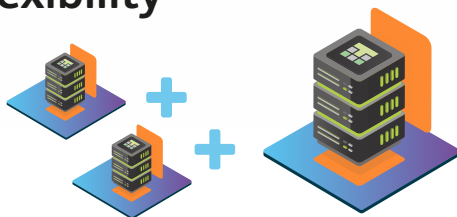
T.Brother solution is fully compatible with encrypted versions of T.Lion servers. All the redundancy and replication tasks are transparent to the server admins and managed automatically. TASSTA ensures that extra reliability brought by T.Brother will not compromise the security of the system in any way.

■ Fleet Management



All of the control and flexibility that comes with our T.Commander control system remains unaffected by the deployment of T.Brother with its extra reliability. Any system operator keeps controlling their fleet as usual and doesn't need to think about the additional T.Brother server. TASSTA takes care of the rest to make sure that the entire system stays unified and integrated.

■ Flexibility



Although it makes a lot of sense to include the T.Brother solution in the initial design phase of the project, this is not always done. However, T.Brother is flexible enough that it can be added to the system at any later phase. It has never been easier to take the reliability of your exiting TASSTA environment to the next level, should the necessity arise.

■ Application



In any critical communication environment, the availability and reliability of the system is a major factor. T.Brother is an essential element in any critical communication network that strives to achieve all of the attributes mentioned above.