

Tally.Server 9 Deployment

Head Office & Multiple Branch Offices

Scenario

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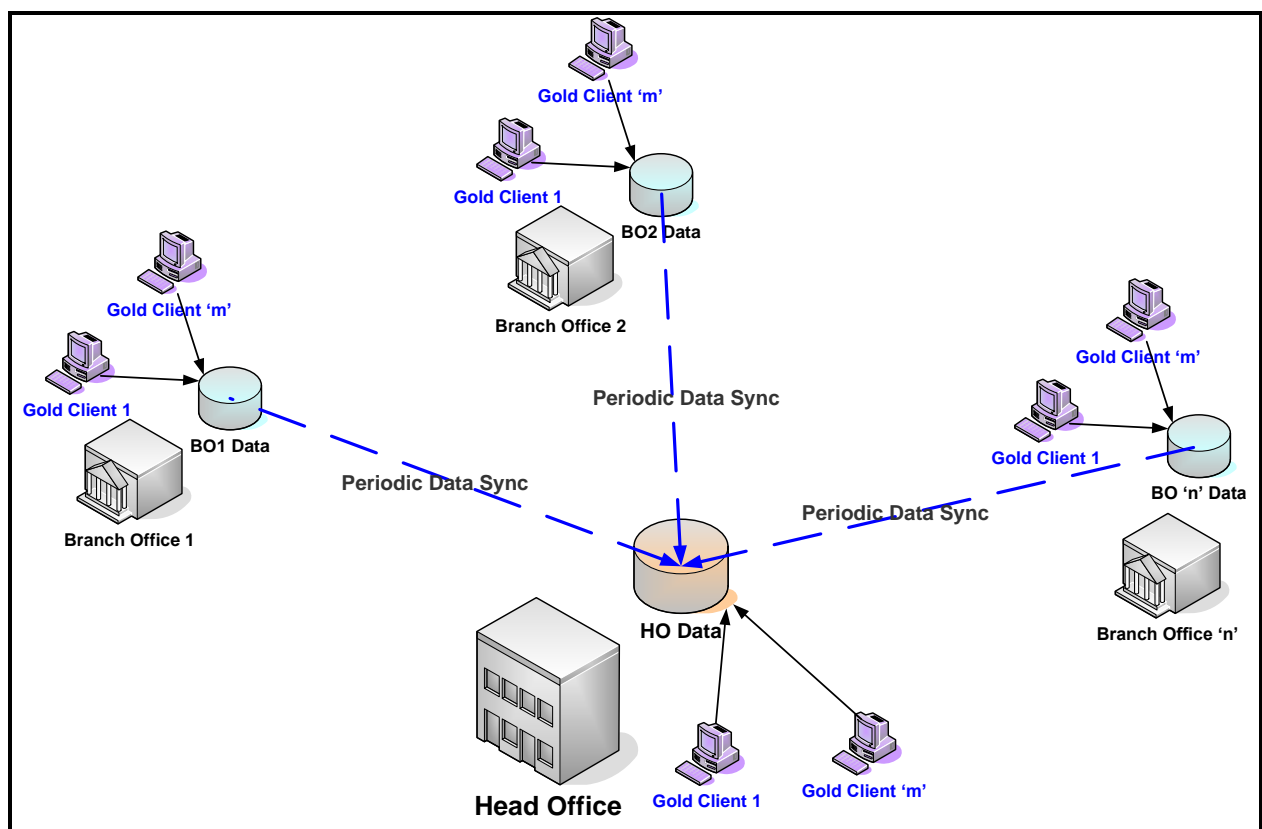
1 Introduction

Tally.Server 9 is a powerful data server that will redefine the efficiency of businesses that have a large number of users operating simultaneously on various operations. It has been designed to provide enhanced performance experience to the users of **Tally.ERP 9**. It provides concurrent and secure access to Tally data, advanced monitoring and administrative control. Tally.Server 9 is robust, stable and responsive as it supports seamless concurrency, reliability, security and scalability.

2 Customer Requirement

2.1 Current Business Process

Customer's business is geographically scattered and consists of one Head Office (**HO**) and multiple Branch Offices (**BO**) which are located in different cities or multiple locations in the same city. Customer has installed **Tally.ERP 9** multiuser at the HO and BOs. In each BO, multiple users are working on data which is stored locally (at the respective BOs). As per business convenience, the BOs sync their data with the HO according to a predefined frequency. Consequently, HO gets the consolidated data.



2.2 Problem Statement

Customer is facing performance issues with Tally as the number of users in the LAN at HO and some BOs is high. Customer is willing to invest in Tally.Server 9 (TS9) to get improved performance. As per the current scenario, the customer has to deploy one TS9 each at all the locations (i.e. HO and BOs) which is not cost effective for the customer. Alternatively, the customer can keep all the data at HO if a feasible and effective solution can be provided.

3 Requirement Analysis

Customer does not want to invest in deploying TS9 at all the locations and is looking for an alternative solution. The prime reason is cost ineffectiveness. Further, following aspects explain the fundamentals of customer requirement:

- Currently, the customer has to sync BO data with HO to get the consolidated data for further usage. Customer is willing to move the data to HO which would eliminate the periodic sync process.
- Customer is willing to invest in TS9 to be deployed at HO.
- Some of the BOs have less than 4 users and they are not facing any performance issues.
- All the locations are operating in different LANs and data access across LANs (HO and BOs) is required.

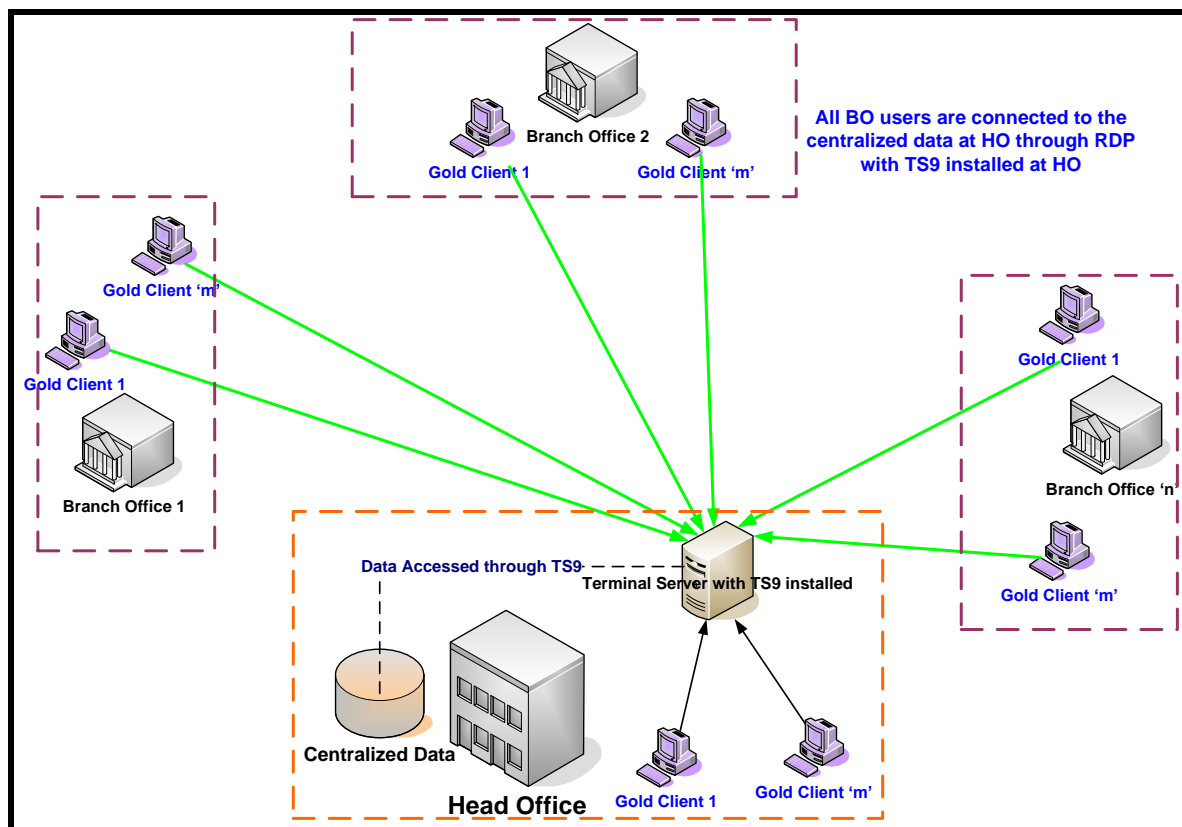
4 Proposed Solution

TS9 has been designed to provide improved performance to users (as far as concurrent access of data concerned) working in the same LAN. Broadly speaking, users should be able to work independently without being affected by other users working on same data in the LAN.

As per the case explained above and keeping in mind the customer's requirement, it is suggested that:

- Customer should analyse the locations where they are facing performance issues and invest in individual **TS9** deployment at those locations. This is the ideal solution suggested.
- Accessing data from system in a different LAN is feasible (if the systems have static IP), but is strongly **not recommended** as working over internet is neither **secure** not **reliable**. Moreover, performance enhancements may not be guaranteed and data is prone to corruption as well. TS9 has not been designed to provide performance enhancements while communicating over internet.

- Another approach that may be considered is the access of centralized data through **Remote Desktop (RDP)**. Data can be kept at a centralized location (i.e. HO) and users at BOs can access the data through RDP while users at HO can access data without RDP as they are in the same LAN. However, this approach might need an enhancement in the existing hardware and software configuration. Hardware/Software configuration requirements have been detailed below.



4.1 Hardware/Software Requirements for RDP

Software and Hardware requirements for Terminal Server for RDP access may vary as it depends on multiple factors. Some of the factors are number of users connected through RDP, Data Size of Tally, number of Stock Items, and number of Ledgers etc. These factors might vary from one organization to another. It has been assumed that Tally is the only application used by RDP users. On the basis of these factors, a specific case analysis has been given below:

Parameters and their values as specified below have been considered.

Parameters for Hardware Specification	
Tally Data Size (in MB)	200
# Stock Items	50000
# of Batches	1000
# of Ledgers	1000

Terminal Server configuration (for different number of users) has been recommended as mentioned below:

# of Users	Internet Speed	Disk Space (in GB)	Recommended RAM for Tally (in GB)	Recommended RAM on Server (in GB)	# of CPU
10	2 Mbps	1.953125	8.994628906	16	1 CPU
20	4 Mbps	3.90625	15.98925781	24	1 CPU
50	4 Mbps	9.765625	36.97314453	64	1 CPU
100	8 Mbps	19.53125	71.94628906	96	1 CPU
200	8 Mbps	39.0625	141.8925781	160	1 CPU

- **Operating System:** Windows Server Operating System
- **# Terminal Server CALS:** Based on number of users
- For better performance, it is recommended that the customer should operate with a clustered terminal server setup.

Configuration in Client Systems:

- Thin Client or any system running Windows 98 and above is required.
- **Internet Speed:** Minimum 1 Mbps at client systems

Depending upon the specific case of the customer and its operation, the requirements may vary and that needs to be taken into account for TS9 implementation through RDP.