###### C:\Users\zubair.ahmed\Desktop\logo.png

## Backup

Implementation

Document Number: 1 Design By: **Infra Team**

1

C:\Users\zubair.ahmed\Desktop\logo.png

Ideal backup architecture



**Automatic Process to collect data from user to server**

2

C:\Users\zubair.ahmed\Desktop\logo.png



Software

Ubuntu server

* Operating system install for running the software and script policy.

Network Friendly

* Won’t send duplicate data to the server
* Data must be available in define folder before sent
* Only sends changes incrementally so there isn’t a big network burst when backups happen

Backup Policy & Restore

* Daily IT audit and Monitor the data backup
* Infra Team Send email to all users before backup started and completion
* Data can be Restore by network team and Infra Team
* If any TL required to access his subordinate data, we can provide temporary read only access.



C:\Users\zubair.ahmed\Desktop\logo.png

Implementation:



Single Desktop System with local Hard Drive 4 TB

Initial pilot of 50 machines – Plan back up all Computing Services Windows desktops and Laptop

Hardware should grow to at least 100 machines

Current desktop/laptops being backed up via duplication file will be migrated to data automatically backup on Server

Single Gigabit Ethernet network connection to Centric Source network.

C:\Users\zubair.ahmed\Desktop\logo.png



Work Plan:

Requirement

* Physical Machine
* Data Storage Capacity 4 TB
* RAM Required 8 GB
* Local Static IP (Mandatory)
* SS Team Computer Names and their IP Address

Duration

* Three Weeks for Implement Backup policy at Centric Source.

Distribution of Three Weeks

Phase I

1. Server Deployment 2- Structure policies
2. R & D on Server 4- Trouble Shooting

Phase II

1. Testing Users for backup 2- Deployment of Client PC

3- Fetch Data from Users 4- Testing Completion

Phase III

1. We will take full backup of 1 user at a time as the data may huge and then move to another user.
2. After all the users, full backup completed then automatic process will take it place.
3. Infra team will Audit and complete the data backup.