InSiteOne
Protecting the Present,
Building for the Future

Should disaster strike, InSiteOne offers online access to recover your mission-critical data and professional services to help you resume clinical operations – quickly and securely. Recovery Plus is an automated solution for protecting your clinical transaction data; it has the flexibility to handle all recovery situations by enabling point-in-time recoveries and elimination of the manual tasks associated with alternate methodologies.

Many disaster recovery solutions concentrate on consolidating storage, but Recovery Plus also takes into account the performance provided by data direct-attached-storage (DAS) storage devices, especially in remote and/or satellite offices. Many traditional DAS environments require backup and replication agents on each server. (Remote mirroring is a cumbersome process for satellite offices, and shrinking backup windows frequently dictate the maintenance of a tape library on every remote server for local backup.) Recovery Plus enables the painless creation of multiple copies of block-level data, while keeping the host systems available, ensuring maximum productivity.

Key Benefits

• **Confidence that your mission-critical data will always be available**
- Recovery Plus provides either continuous or scheduled replication of data to a centralized storage server appliance with offsite copy maintained at InSiteOne's data center.

• **Faster return to business in the event of a data loss or disaster**
- A centralized disaster recovery process dramatically reduces your downtime and boosts your productivity.

• **Quicker, more efficient data storage and backup storage applications**
- Management of block-level data protects even your most recent transactions and data changes.
- Recovery Plus reliably captures data needed to rebuild an application server in the event of a virus attack, application malfunction, or hard disk crash.

• **The ability to "turn back the clock"**
- InSiteOne's unique "Snapshot" technology ensures the transactional integrity of your databases and messaging stores for rapid time to recovery and minimal impact on server performance.

How It Works

Recovery Plus transmits and journals changed data blocks to minimize network traffic and meet the client's Recovery Point Objectives (RPO). Bandwidth usage is minimized by only transmitting "delta-blocks", or blocks of data that have changed since the last replications. This approach to mirroring also provides optimal performance and efficiency utilizing the resources you already have.

"Application-aware" snapshot agents enable the replication of database and message stores on local servers with full transactional integrity. Recovery, daily backup, and data mining are thus expedited, and Recovery Time Objectives (RTOs) met. Replication of the disc can occur over a LAN, WAN, or FC (Fibre Channel) connection, simplifying the backup process by removing the need for incremental backups.

How It Works (continued)

- **Over Fibre Channel, compatible with:**

  - Windows XP, Windows 2003

  - Windows 2000 Professional, Server, and Advanced Server

  - Windows NT 4 with SP4 and above

  - Red Hat Linux v7.3+

  - Solaris, v7, v8, or v9

- **Over IP Networks, compatible with:**

  - Windows XP, Windows 2003

  - Windows 2000 Professional, Server, and Advanced Server

- Windows NT 4 with SP4 and above

- Red Hat Linux v7.3+

- Solaris, v7, v8, or v9

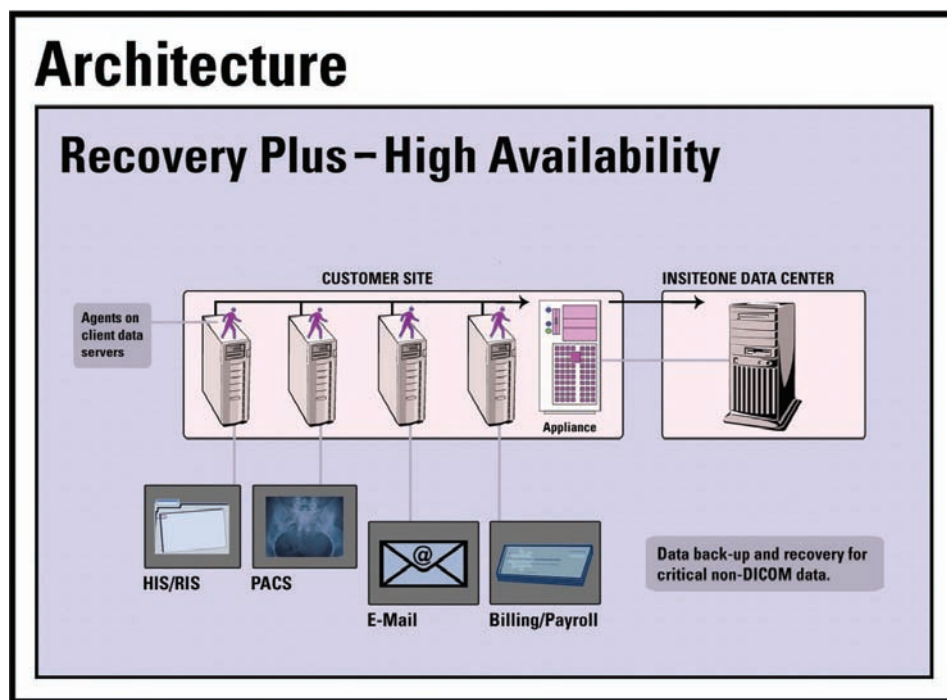- NetWare v5.1, v6, v6.5

- Windows NT 4 with SP4 and above

- Red Hat Linux v7.3+

- Solaris, v7, v8, or v9

- NetWare v5.1, v6, v6.5

- Oracle or Sybase Databases

How It Works

Architecture

Recovery Plus – High Availability

CUSTOMER SITE — INSITEONE DATA CENTER

Agents on client data servers

Appliance

HIS/RIS   PACS   E-Mail   Billing/Payroll

Data back-up and recovery for critical non-DICOM data.