

BLACKbox

Simplicity is the Ultimate **Sophistication**

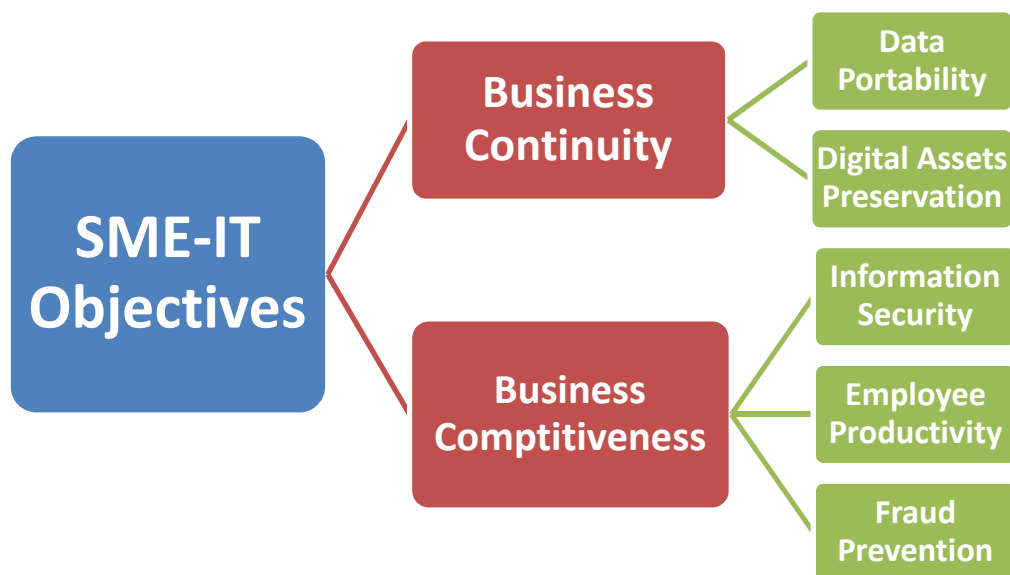


BLACKbox is a single hardware which serves the purpose of 7 different micro IT systems. It saves significant cost of server hardware and server operating system licenses / CALs, firewall, mail server, backup system, storage system and end point solutions. It serves as ideal IT infrastructure for SMEs and branch offices of large enterprises with small networks from 5 computers to 200 computers.

SME Concerns

IT is a tough call for SMEs. They are young enough to invest in complex IT systems, and retain a professional IT manager. But, there Information Technology Adoption needs to be as standard as it is in any large organization,

because, SMEs compete globally...



How to achieve **BUSINESS CONTINUITY OBJECTIVES**

1. Business Continuity by Data Portability

Democracy sucks especially when it is about your drawings, designs, documents, spreadsheets and data.

Any network contains desktops, servers and laptops. Even though, we advise users to work on central drives of servers, they default and scatter data on servers, desktops and laptops. This exposes organization to the risks of **Business Discontinuity** in event of any emergency or disaster. SMEs must have plans to make their all digital assets, ERP backup, drawings, designs, documents, spreadsheets, portable in 3 minutes in event of any disaster or emergency.

BLACKbox forcefully centralizes data of your computers, laptops and server on itself. BLACKbox is portable by size and can be easily removed from the site of disaster.

2. Business Continuity by Automatic Backup

To err is human,

Preservation of SME's digital must not be at the mercy of users or a single person. Data preservation happens only if users or designated person takes backup. If they err, loss is unquantifiable. If data is lost by accidental or intentional deletion, SMEs will greatly struggle to continue the business.

BLACKbox takes automatic backup, that too on different medias as well as private secured cloud, and gives confirmation report about backup health to SME owners.

3. Business Continuity by Versioning of Backups

To evil is also human

Accidental or intentional deletion is not the only challenge on **Business Continuity**. Manipulation of digital assets is even tougher challenge. Users might manipulate important data which will be overwritten in backup. When organization realizes such manipulation later, data is already overwritten in backup, making all data manipulated and useless. Many a times, networks are infected by mal-ware or ransom-ware, which encrypts the data

BLACKbox maintains versioned backup, that too, as per the defined importance of the folders of various departments or functions.

4. Business Continuity by Email Backup | Archival

**If it is worth keeping,
It is worth backing up...**

Email being official communication, commitments, and clarifications are given on email. They are invaluable future references. email backup is a tough challenge. Sometimes, users manipulate by deleting emails and backup is overwritten with manipulated inboxes and sent items.

BLACKbox backs up all emails before they go to users, no need to backup outlook pst files or any. Let user delete or manipulate emails, rest assured, its safe in BLACKbox.

How to achieve BUSINESS COMPETITIVENESS OBJECTIVES

5. Competitiveness by USB Intelligence

**Trust is a virtue,
Because Betrayal is a vice...**

Information Security is compromised on USB ports. USB ports are the blessings as much as they are curse. They can be used to take away SME's digital assets, and business information.

BLACKbox makes USB ports intelligent. It guards the information as per the device usage and direction of data flow, to and from USB ports. It also generates evidences even for every authorized data infiltration.

6. Competitiveness by Email Vigilance

**Trust people, but hold the power;
so they don't dare betrayal.**

SMEs extensively use emails for internal tasking and communication. The digital assets are exchanged over email. They may go in wrong hands. There needs to be in control of email system. Email deletion and unauthorized access to organization's confidential emails lead to serious impact on **competitiveness**.

BLACKbox controls users' privilege to send mail out and vigils users who are privileged. It provides complete control over email communication.

7. Competitiveness by Blind Carbon Copy (BCC) Control

**Digital Asset is,
Intangible Asset...**

BCC is very easy way to steal data from enterprise. People might send BCC of internal confidential communications like designs, bids, tenders etc by BCC to competitors or invaders. It is very difficult to stop it.

BLACKbox controls BCC privileges for users and any attempt is immediately reported as well as denied.

8. Competitiveness by Productivity

**Character is what you do,
When no one is watching you.**

Extension of internet usage to every users is inevitable. Internet is a tremendous resource for Information Sourcing, Travel Booking, Online Banking, and many more. At the same time, people crazily get hooked up to social networking hubs, entertainment, gambling and explicit content. Productivity can be badly lost. Many a times employees use computers for playing games or doing personal work using software like autocad, tally, coreldraw, photoshop or editors.

BLACKbox controls user wise internet privileges and generates internet usage report to ensure productivity. BLACKbox also records computer activities of the user for as long as 3 months and displays in the form of a slide show.

9. Competitiveness by Data Destruction Modules

Data is permanent as soon as it is saved

Enterprises need destruction of data as much as they need preservation of data. Data once saved on hard disks, it resides forever, howsoever, we format the disks. There are some digital assets which need to be destroyed by an enterprise, like a paper shredder, it requires data shredder.

BLACKbox can manually or automatically destroy designated data and leaves it irrecoverable.

10. Competitiveness by Fraud Prevention

Intentions are not written on foreheads,

SMEs are most vulnerable to email frauds and online frauds. We frequently read newspapers publishing email fraud incidents. Customers of SME get email from SME authorized person to change bank account details for funds transfer or many other modus operandi. Frauds result in significant financial losses and hence, loss of competitiveness.

BLACKbox works on dual password systems for emails and records computers activities for any audit trail.

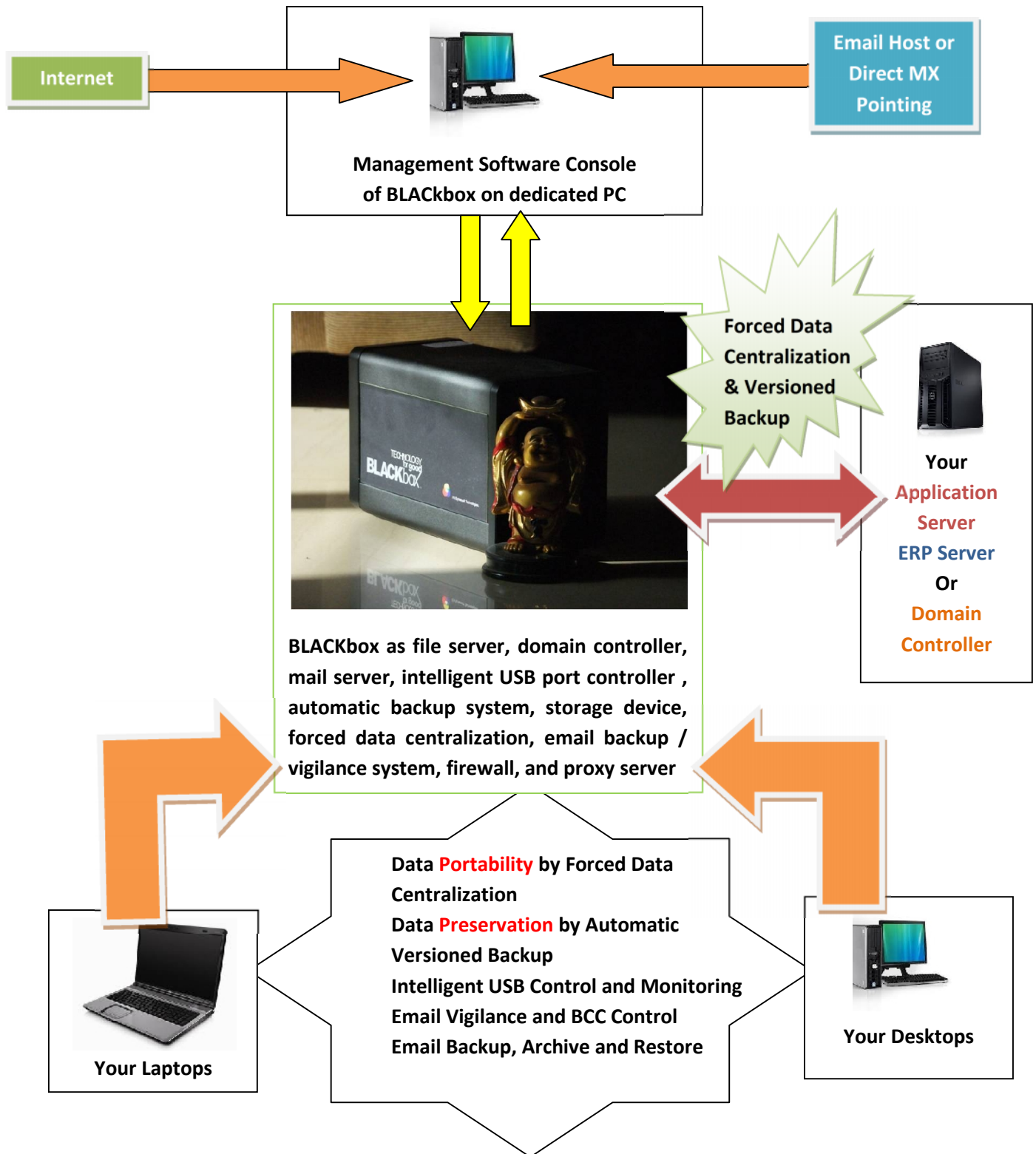
Why BLACKbox

Because Simple is **Sophisticated**



BLACKbox saves cost of the server hardware, server operating system licenses, client access licenses, storage device, backup software, domain controller, firewall, email vigilance system and USB pen drive controller (end point security). By thumb rule, BLACKbox saves 66% of the cost compared to deploying above components. Being single and integrated system, it offers single contact support. Being simple system, it does not require a dedicated IT person to manage it. Obviously, it offers better functionality for data preservation, data security, email vigilance, and internet usage control.

BLACKbox system design



How is BLACKbox implemented in the network?

It is very simple. BLACKbox is connected to your network by Ethernet. Its client software is installed on every laptop, desktop and server in the network. Its configuration software runs on a dedicated PC. Our experts implement it on turnkey basis. Here are the steps.

1. Device is delivered on completion of PO and advance payment formalities.
2. Our technology advisor visits your office and interacts with about for every user (laptop or desktop) with following questions.
 - a. Which departmental folders the user can access?
 - b. Is user allowed to access USB pen drive? If yes, who will receive user's USB pen drive activity report?
 - c. Which email id / ids will be used by the user? Who will vigil email usage by the user?
 - d. Can this user send emails to entire world, or limited parties, or only internal users?
 - e. Can this user send BCC? If yes, who will receive the report?
 - f. Will this user be given restricted or unrestricted internet access? Who will receive internet usage report for this user?
 - g. How many versions do you want to keep for your backup?
 - h. Who will receive the backup report of server, laptops and desktops?
 - i. Which software will be used by the user?
3. Our experts do necessary configuration and do quality check.
4. The technology advisor imparts training and installation compliance report is signed.

And it's done.