

Fujitsu  
IT Future 2013

**Fujitsu Cluster-in-a-box**  
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# Reshaping ICT Reshaping Business

# Why continuous operation is important?

## Downtime affects

**Administrator**

**User**

**Partner**

**Customer**



## Downtime results in

**Stress**

**Annoyance**

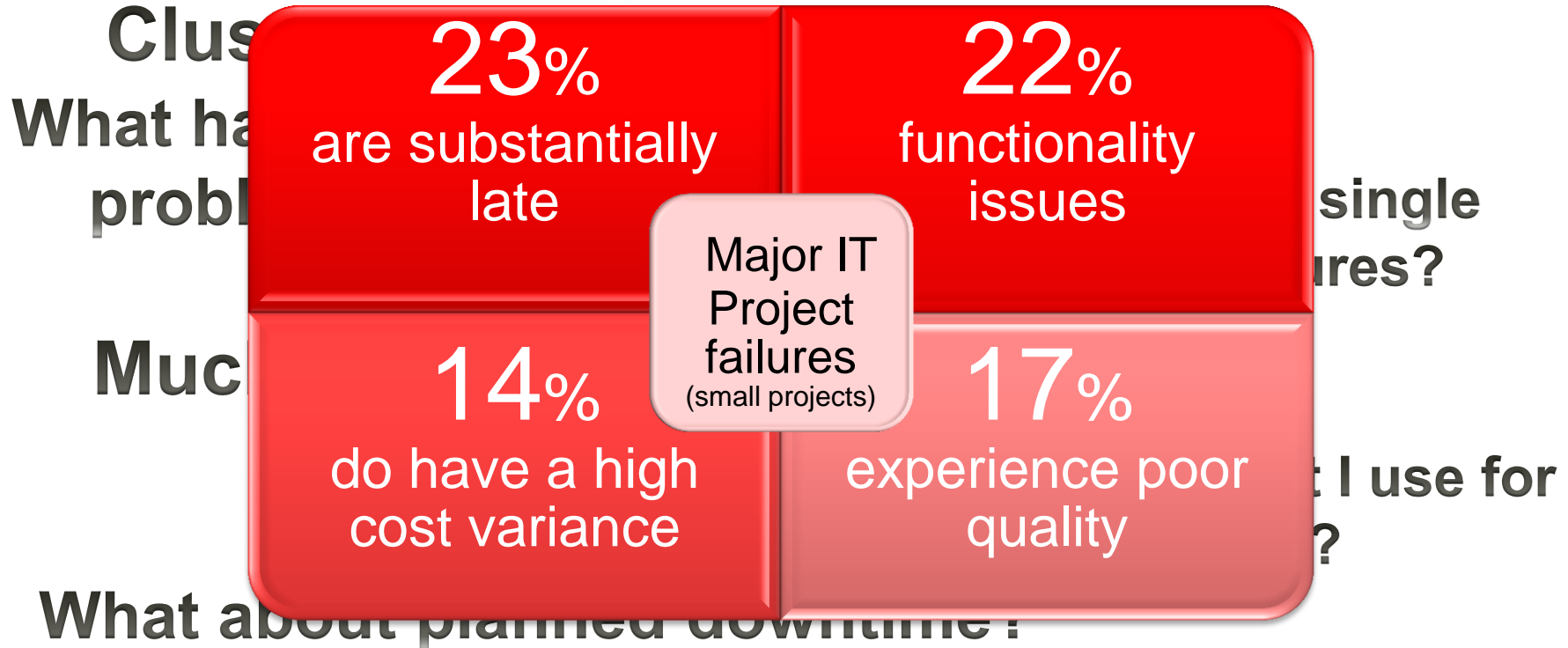
**Lost confidence**

**Lost revenue**



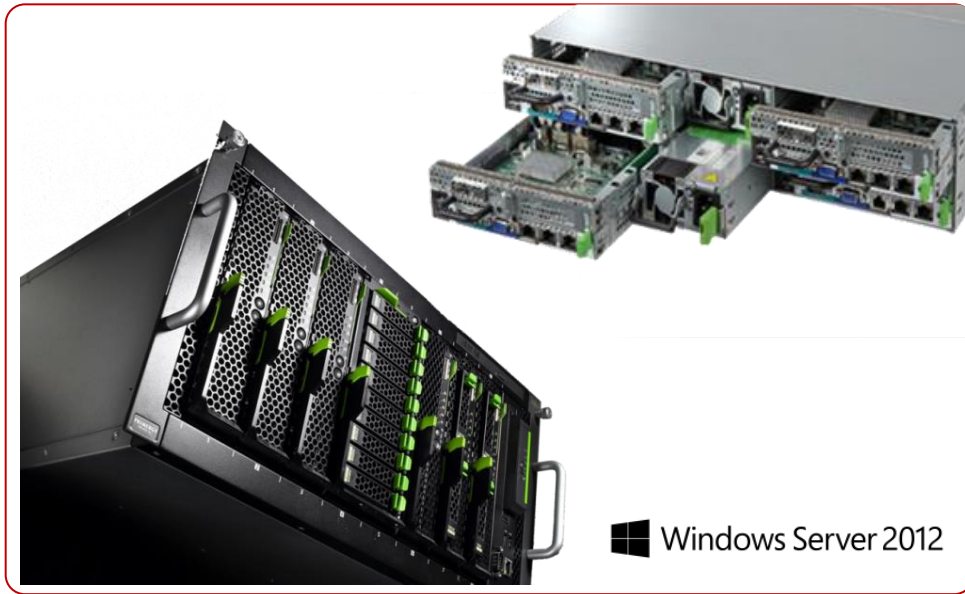
**Today, IT is one business enabling essential of your company!**

# Challenges with IT projects on high availability



\*Source of figures: Gartner June 2012: Survey Shows Why Projects Fail

# The solution: Fujitsu Cluster-in-a-box



 High available solution based on PRIMERGY servers and Microsoft Windows Server 2012

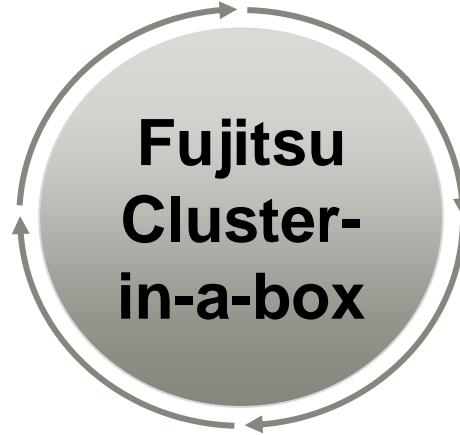
## One box as your solution

- Continuous availability at affordable costs to protect important data and business services
- Automatic restart of failed services in a couple of minutes instead of hours and days of manual work
- All-in-one: pre-configured and pre-installed cluster for demanding IT requirements
- Everything redundant using latest technology with well synchronized components
- Covering either physical or virtualized IT environments

# Fujitsu Cluster-in-a-box

## What it provides

- Integrated availability mechanisms with failover clustering and redundant hardware components
- Single order code (SKU)
- Pre-configured, pre-installed configuration
- Pre-tested configuration
- Optional server virtualization with Microsoft Hyper-V



## Your benefits

- Business continuity with nearly no downtimes
- Easy buying
- Ready-to work a few minutes after receipt
- No implementation risk
- Leverage the benefits of virtualization

# 2 steps to continuous operation



**Step 1:** Receive your compact, pre-configured and pre-installed solution and turn it on



**Step 2:** Run the configuration wizard  
– it just takes a few minutes



**Enjoy your high available IT environment**



# Based on PRIMERGY BX400

## What it provides

- Smart enclosure equipped with all necessary components of a datacenter: server, storage and network
- Fully-featured blade system
- Entire management of all components with Fujitsu ServerView
- Purely based on industry standards



## Your benefits

- All components are optimized to each other
  - Up to 70% less space than traditional servers
  - Reduced complexity and costs for cabling and deployment of network connections
- Easy scalability of server and storage resources to protect your investments
- Easy management of your IT
- Seamless integration

# Based on PRIMERGY CX420

## What it provides

- One enclosure for two servers with shared power and cooling
- Shared storage with up to 12 x 3.5" hot plug NL-SAS drives
- No sharing of fabrics, I/O or management components
- Purely based on industry standards



## Your benefits

- Up to 50% less space than traditional servers, all components are optimized to each other
- Easy scalability of storage resources
- Lowered complexity vs. blade servers
- Seamless integration



# And Windows Server 2012

## What it provides

- Hyper-V Network Virtualization
- Single Root I/O Virtualization (SRIOV)
- Hyper-V Replica
- SMB3.0
- Storage Spaces



Windows Server 2012

## Your benefits

- Data security & compliance, move VMs without reconfiguration
- Easy to handle connection of virtual machines to physical networks
- Easy setup of DR scenarios
- Live migration without SAN
- Cost effective and reliable usage of storage



# Your fast track to continuous operation

## Fujitsu Cluster-in-a-box

- Business continuity with nearly no downtime
- Easy buying
- Ready-to work a few minutes after receipt
- No implementation risk
- Leverage the benefits of virtualization

## Based on PRIMERGY BX

- Smart enclosure equipped with all components of a datacenter: server, storage and network

 Windows Server 2012




## Based on PRIMERGY CX

- Scale out smart with a consolidated 2U rack enclosure

 Windows Server 2012



  
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