Easy-to-use Deployment, Recovery, Capture and Backup Solution Decreases Downtime While Reducing Support Costs for Windows Devices

BSQUARE

Bsquare OS Recovery Solution

Industry Trend

Companies are deploying more point-of-sale kiosks, digital displays, handheld terminals and free-standing digital devices every day. These systems have proven to meet customer needs efficiently and effectively. However, when a system crashes, it can result in prolonged down times that increase customer frustration and significantly reduce revenue. To restore these systems vendors often need to dispatch a service tech or send replacement equipment to the end user. This is costly and often causes lengthy down times.

The Solution

The Bsquare OS Recovery Solution is an easy-to-use, turnkey system for devices operating on many Microsoft Windows®-based platforms. It increases end user satisfaction through reduced down time while at the same time decreasing support costs. It reduces cost by simplifying the OS recovery process and by allowing non-technical end users to easily recover a device OS in the field through an intuitive GUI.

The OS Recovery Solution offers two media recovery options. A partition based version configures the target system with an embedded recovery image that the end user can deploy when needed. The application is dormant and is launched only when recovery is necessary. An external media based version is available for systems that don't support a hidden partition or for developers who want to manage the recovery image separate from the target system. Both are turnkey solutions that require no additional development to implement.
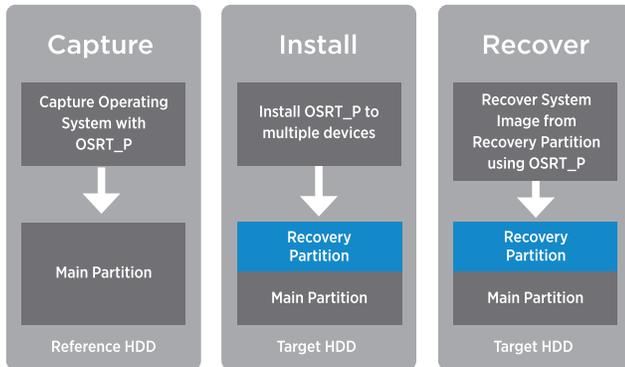
HIGHLIGHTS

- Reduce down time by eliminating the need to dispatch a tech or send replacement equipment
- Reduce development effort and cost with turnkey recovery software
- Reduce product support and recovery costs with end-user friendly recovery solution

BENEFITS

- **Easy to use**
  An intuitive and instructive GUI makes the Bsquare OS Recovery Solution easy to use for both developers and non-technical end-users.

- **Reduced support costs and down-time**
  End users can easily restore systems—eliminating the need to dispatch a tech or ship replacement equipment to the field and reducing support cost and down time.

- **Reduced development risk, time and cost**
  OEMs can ship a recovery solution with their products with no additional development time, risk or cost—simply install and ship with this turnkey solution.

- **Recovery media options**
  Developers can choose between partition based recovery or external recovery media options—ensuring the right solution for the specific application.
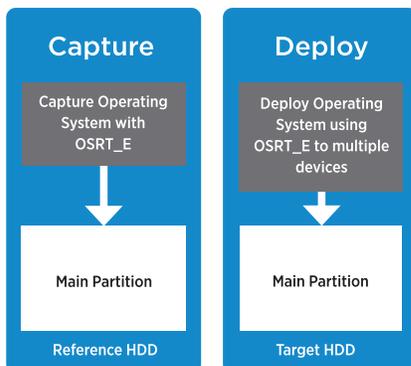
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How it Works

Partition Based Recovery

Capture
- Capture Operating System with OSRT_P
- Main Partition
- Reference HDD

Install
- Install OSRT_P to multiple devices
- Recovery Partition
- Main Partition
- Target HDD

Recover
- Recover System Image from Recovery Partition using OSRT_P
- Recovery Partition
- Main Partition
- Target HDD

Can be used to deploy operating system and create hidden recovery partition on the same drive. Key advantage of this tool is once installed the user no longer needs removable media (thumb drive, DVD, CD). User can restore operating system from hidden partition in case of OS corruption or system failure. User can also re-capture update image in field and restore back to hidden partition for use later.

External Media Based Recovery

Capture
- Capture Operating System with OSRT_E
- Main Partition
- Reference HDD

Deploy
- Deploy Operating System using OSRT_E to multiple devices
- Main Partition
- Target HDD

Can be used to deploy operating system to systems during manufacturing or for updates and for new deployments to systems in the field. Note: this tool only deploys operating system, it doesn't create recovery partition on system. See Partition Based Recovery Solution.

The Bsquare OS Recovery Solution supports many Windows-based operating systems and can be deployed on a wide range of devices including:

- Kiosks and point-of-sale
- Digital signage
- Tablets
- Medical
- Personal computers
- Other free standing digital devices

Supported Systems

- Windows 10 IoT Enterprise and Pro
- Windows 8.1 Industry and Pro
- Windows 8.0 Industry and Pro
- POSReady7 and POSReady 2009
- Windows 7 SP1 Pro and Ult (32bit and 64bit)
- Windows Embedded Standard 8, 7 and 2009
- Windows XP Pro and XP Embedded
- Windows Server 2008 and 2012

Supported External Media Types

- USB
- CD
- DVD

Why Bsquare?

For over two decades, Bsquare has helped its customers extract business value from a broad array of corporate assets by making them intelligent, connecting them and using data collected from them to deliver better business outcomes. Bsquare DataV software solution have been deployed by a wide variety of enterprises to create business-focused Internet of Things (IoT) systems that can more effectively monitor assets, automate processes, predict events and in general optimize business outcomes. Bsquare goes a step further by coupling innovative software with advanced professional services capable of helping organizations of all types make IoT a business reality.

For more information, please visit **bsquare.com** or email us at **sales@bsquare.com**

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