

# Failover for WS\_FTP Server

Achieve High Availability for Increased Uptime and Reliability



**IPSWITCH**  
FILE TRANSFER

Lights-out deployment and 24/7/365 operations are the norm in today's business climate. Customers expect efficiency, reliability, and "always on" systems that allow them to concentrate on business rather than uptime.

The risk of application failure may be higher than you think. Power loss, network outages, corruption, disk crashes, scheduled server downtime, and many other interruptions put your applications at risk. In turn this can lead to missed service-level agreements (SLAs), lost revenue, customer turnover, lower profitability, and other adverse business outcomes.

Achieving a high degree of availability is especially critical when it comes to file transfer systems and processes. After all, your company relies on file transfer each and every day to exchange mission-critical files and data with global partners, employees, vendors, and customers. Simply put, when it comes to file transfer, unscheduled downtime is not an option.

## High Availability File Transfer: WS\_FTP Server with Failover

To meet modern expectations around availability, companies of all sizes now require highly available technology that automatically fails over from a lost node to a good node in the event of a system malfunction.

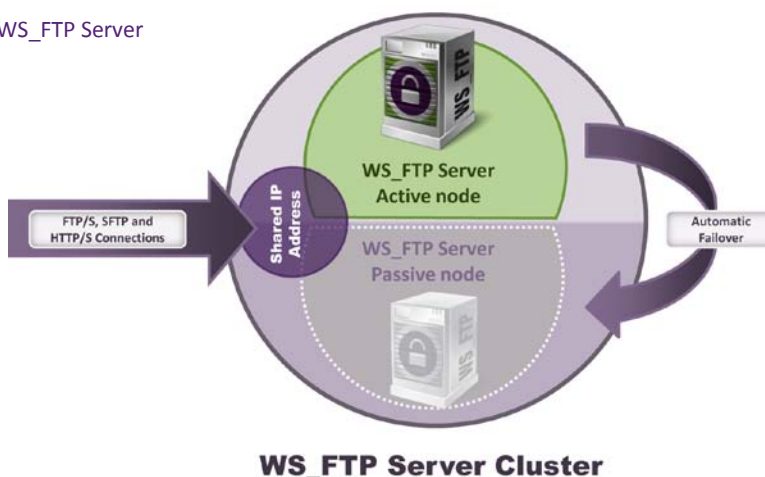
WS\_FTP Server can now be configured to support automatic, unattended failover, enabling your organization to easily achieve high availability for your file transfer processes. Not only will you increase system uptime, reliability, and performance, but you will now be able to provide uninterrupted access to file transfer users – all critical for helping your company deliver exceptional business performance and meet service level agreements around availability.

Proven server cluster technology that allows file servers, databases, and applications to perform clean and automated failover operations has been available in Microsoft operating systems for years. This is the same technology that WS\_FTP Server 7.5.1 leverages in its failover configurations.

A WS\_FTP Server Failover configuration provides these essential benefits:

- Minimize the risk of total file transfer system failure
- Provide uninterrupted access to file transfer users
- Increase application uptime, reliability, and performance
- Meet service level agreements around availability
- Align with Microsoft best practices on high availability deployments
- Contribute to better business results: happier customers, lower costs, and improved profitability

Failover with WS\_FTP Server



## When Your Business Relies on File Transfer, Make Sure You Rely on WS\_FTP Server with Failover

The failover configuration of WS\_FTP Server minimizes the risk of file transfer application failure, and better positions your company to achieve the results that matter most.

WS\_FTP Server can be configured for failover, so your organization can easily achieve high availability and minimize unscheduled downtime.

Benefits of WS\_FTP Server with Failover include:

- Provide continuous service to file transfer users
- Increase application uptime, reliability, and performance
- Align with Microsoft best practices on high availability
- Help enhance customer satisfaction, reduce costs, and eliminate lost revenue from system downtime.

Learn more about Ipswitch File Transfer solutions at:

[www.ipswitchFT.com](http://www.ipswitchFT.com)

# Failover for WS\_FTP Server

## Simple, Yet Effective Failover

A failover configuration of WS\_FTP Server is easy to set up and effective. You simply provision a two-node Microsoft cluster or web farm, install and activate your WS\_FTP Server licenses on each node and then deploy. One node will act as the primary (active) node and the other will act as the secondary (passive) node. All inbound connections, whether FTP/S, SFTP or HTTP/S, will use a shared IP address. In the event the first node fails, the secondary node will automatically assume the failed node's traffic, authentication duties and logging, thereby ensuring continuous service to file transfer users.

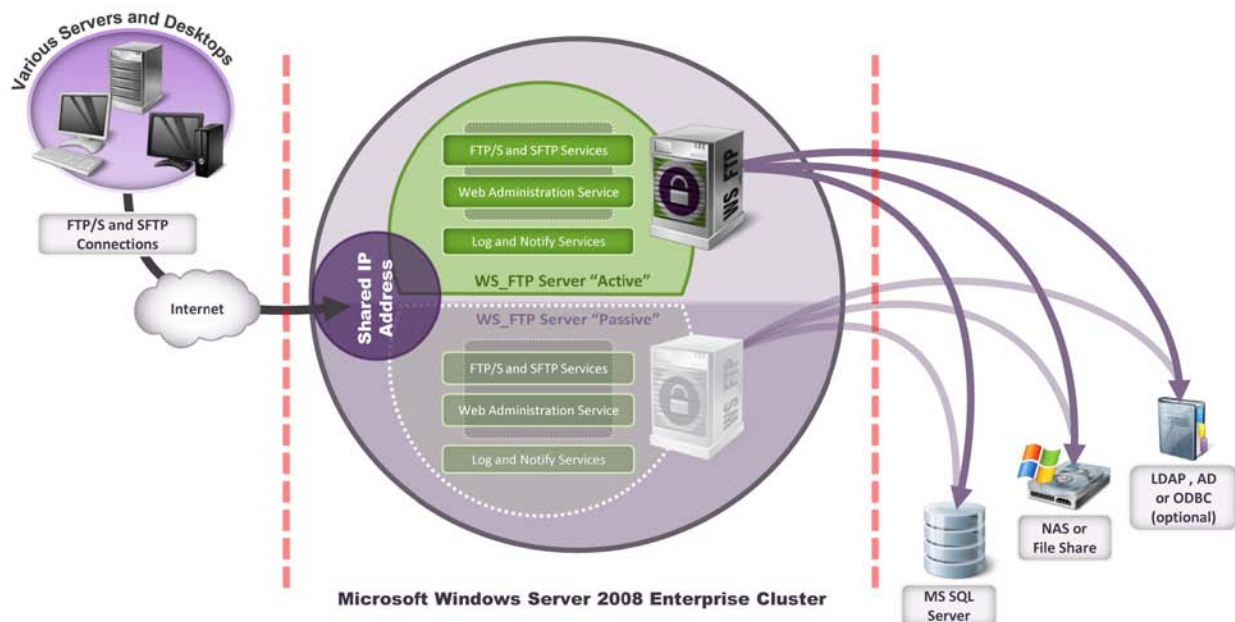
## Follow Microsoft Best Practices for High Availability

WS\_FTP Server aims to be the world's best FTP server for Microsoft Windows Servers, and our commitment to that mission is expressed in WS\_FTP Server's new failover configuration. We allow you to follow Microsoft best practices when you deploy WS\_FTP Server: using Microsoft Clustering when you only need FTP/S or SFTP support and using Microsoft Web Farms (with Network Load Balancing) when Microsoft IIS is used to provide WS\_FTP Web Transfer or WS\_FTP Ad Hoc Transfer services.

In addition, we also allow you to use Microsoft Web Farms when only FTP/S or SFTP support is required, potentially allowing you to save thousands of dollars in server licensing costs.

|                                       | Microsoft Clustering Services (MSCS) - Clustering   | Microsoft Network Load Balancing (NLB) – Web Farm  |
|---------------------------------------|---|--|
| <b>Server Support</b>                 | <ul style="list-style-type: none"> <li>WS_FTP Server 7.5.1</li> <li>WS_FTP Server with SSH 7.5.1</li> </ul> | <ul style="list-style-type: none"> <li>WS_FTP Server 7.5.1</li> <li>WS_FTP Server with SSH 7.5.1</li> <li>WS_FTP Server Corporate 7.5.1</li> </ul>         |
| <b>Module Support</b>                 |   | <ul style="list-style-type: none"> <li>Web Transfer module</li> <li>Ad Hoc Transfer module</li> </ul>  |
| <b>OS Support (32-bit and 64-bit)</b> | <ul style="list-style-type: none"> <li>Server 2008 Enterprise (inc. R2)</li> </ul>                          | <ul style="list-style-type: none"> <li>Server 2008 Standard &amp; Enterprise (inc. R2)</li> <li>Server 2003 Standard &amp; Enterprise (inc. R2)</li> </ul> |

The Microsoft Clustering deployment of WS\_FTP Server uses two nodes that run both public-facing and internal WS\_FTP Server services on only one node at a time. A shared IP address is managed by the clustering software and used to ensure that external connections are only arriving at one node at a time. A common Microsoft SQL Server database is used to store the WS\_FTP Server configuration and a NAS or file share is used to store files uploaded to WS\_FTP Server. An optional source of external authentication (such as an LDAP server, Active Directory, or another ODBC database) may also be added to the configuration.

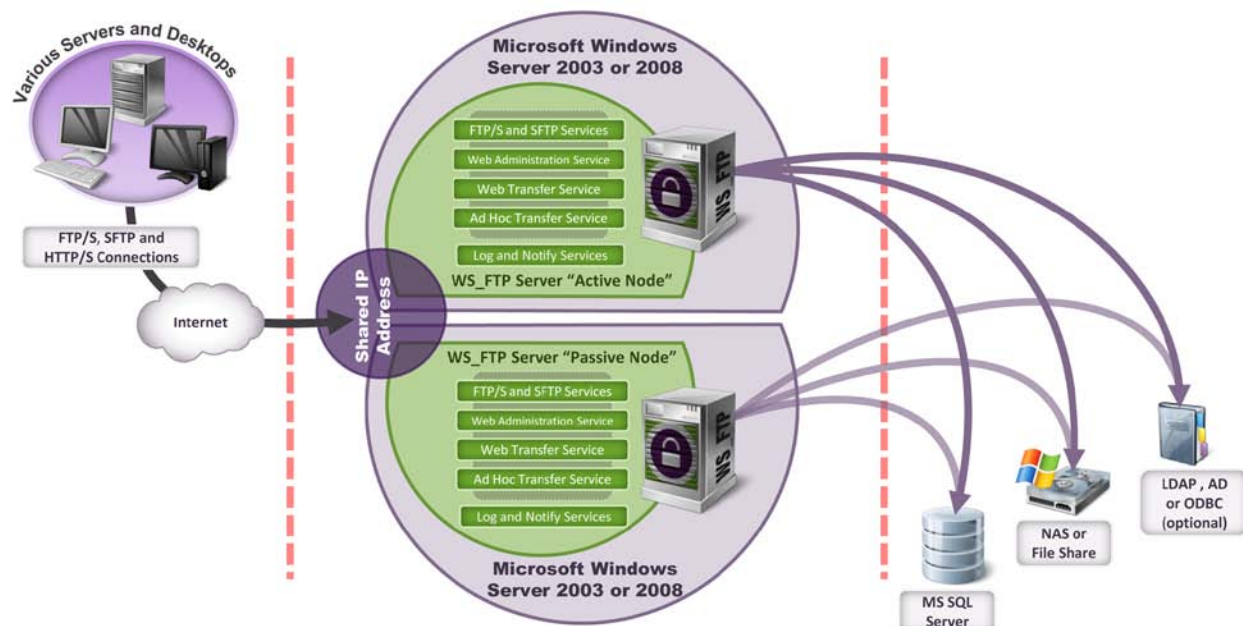


Failover: "Clustering" using Microsoft Clustering Services (MSCS) with WS\_FTP Server



# Failover for WS\_FTP Server

The Web Farm deployment of WS\_FTP Server uses two nodes that run both public-facing and internal WS\_FTP Server services at all times. Microsoft Network Load Balancing services are used to ensure that traffic is only directed to one node at a time. A common Microsoft SQL Server database is used to store the WS\_FTP Server configuration and a NAS or file share is used to store files uploaded to WS\_FTP Server. An optional source of external authentication (such as an LDAP server, Active Directory, or another ODBC database) may also be added to the configuration.



Failover: "Web Farm" using Microsoft Network Load Balancing (NLB) with WS\_FTP Server

When it comes to file transfer, down time is simply unacceptable. Now you can maximize system uptime, minimize overall risk, and help your organization deliver the best results possible with WS\_FTP Server's new Failover configurations.

For more information on the Failover configurations for WS\_FTP Server, please visit [www.lpswitchFT.com](http://www.lpswitchFT.com)

