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Hosting Guidelines

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Architecture

- 3 Tier Architecture is recommended, minimally implement 2 tier architecture
- Development Environment
 - · Set up one more more environments for application. We recommend:
 - Development
 - Test
 - Staging/UAT
 - Production
 - · Use separate instances of each component in the stack, e.g. Separate databases

Shared

Dedicated / VPS

- Except for HTTP & HTTPS (Port 80, 443). All ports should be closed.
- Use SFTP over FTP.
- Disable passphrase based SSH access, use Private / Public keys for authentication.
- Use Fail 2 Ban to block: IP, Port, Path, User on repeated failed authentication
- - · Every machine should have firewall activated: Such as IPTables, FirewallD
 - · SELinux must be activated
- · Folder access
 - · User should have limited access to file system
- - · Use authenticated SMTP instead of mail()
- IP & User whitelisting: Whitelist specific IPs allowed to log-in the server as well as user
- · Use different mount points for
- /tmp
- · Automated Updates
 - · Setup automated security updates
 - · Avoid setting up automated software updates as it may cause backward incompatibility problems

General

- Only Application layer should be exposed through public IP, rest of the architecture should be connected via intranet.
- Database should be accessible only through Application servers. Make sure IP restrictions for both public and private IPs are in place. Example: Only local IPs of Application

Posted by: PHP - Administrator - Wed, Mar 30, 2016 at 1:05 PM This article has been viewed 249 times. Filed Under: Knowledge Sharing



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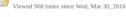


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