

Enabling Development: Accessible Platforms

Experiences gained over 4 years

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About Me

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Target Audience

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Traditional Systems

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Startup Systems

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Operational Goals for DevOps Startup

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Developers Deploy

as often as they like

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Developers Support

even at 2am

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Developers Responsible

for application availability to business

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Systems Administrators?

what are their roles in the new structure?

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Networks, Machines, Operating Systems, Configuration

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Backups, Monitoring Security, Docs

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Focus on Quality

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Pair with developers

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Becomes internal
consultants to entire
business

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How to get there?

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Accessible Platforms:

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Easy to Understand

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Easy to Use

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Easy to Anticipate

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Easy to Reproduce

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For Everyone

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How?

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Key Principal #1:
Keep It Simple, Stupid

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What makes a platform?

- Network Equipment
- Network Design
- Servers
- Operating Systems
- Daemons
- Configuration
- Monitoring
- Backups
- ISPs
- PCI compliance
- Data Centers
- Hardware Suppliers
- Configuration Management
- Load Balancers
- DNS
- Naming Conventions
- Support Procedures
- Office Systems

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Network

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Avoid Appliances!

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Operating Systems

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Other Tools:

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sudo, cap, func,
mcollective

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Awesome Monitoring

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Logs for everyone

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Graphs for everything

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Enable People:

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Give Responsibility

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Wrapping one persons job in
a horrible process via another
team is an anti-pattern

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Developers deploying virtual
hosts to prod? Madness!

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Configuration Management

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Development Environments like Production

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```
apache::vhost { "foo.com" : }
```

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```
apache::vhost { "foo.com" :  
    aliases => "www.foo.com"  
}
```

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```
apache::vhost { "foo.com" :  
  aliases => "www.foo.com",  
  allowoverride => "All",  
  owner => "deploy",  
  options => "FollowSymLinks"  
}
```

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Questions?

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