Where We’re Going

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Initial Focus

Software Test Automation
Directions

Software Test Process
Software Test Automation
Network and System Administration
Enterprise System
Software Documentation
Software Test Process

• eXtreme Testing
  • Driven by user needs
  • Identify and prioritize needs
  • Create tests
  • Shorten process with tools
  • Communicate expectations
eXtreme Testing

- Users Define Requirements
- Users and QA Agree on Priority
- QA Defines Scope
- Test Strategy Document
Software Documentation

- Documentation
  - Internal communication
  - User guides
  - Marketing
  - Training
- Labor intensive
- Long lead time
- Hard to keep up-to-date
Software Documentation

- Today’s users prefer audio/video
- Eggplant can capture QuickTime movies
  - Start Movie, Stop Movie commands
- Add voice-over for complete movie
- By-product of testing
Operational Complexity is Increasing

- Systems are getting faster, cheaper, better
- Large sites are heterogeneous
- Operators must know hardware, OS, applications, networks, site policies and practices
- Separated from users and management
Network and System Administration

Application → Operator

System → Operator
Network and System Administration

Application → System → Error Handler → Operator
Network and System Administration

- Operator function is primarily error handling
- Most error handling can be automated
- Eggplant can monitor screens and respond
- New Eggplant command
  - Call Bill237, BackupIncomplete, Response
  - If Response is 1, then ...
Network and System Administration

- Eggplant’s KVM interface is ideal
- Only common network interface to systems, storage sub-systems, network modules
- Network processes have a short life—need fast deployment
- Ease of use is critical
- Reliability, security, and scalability are critical
Enterprise System

- Scalability
- Performance
- Security
- Scheduling
- Resource Management
Enterprise Architecture

Scheduler
Automation Streams
Version Mgmt
Reporting
Resource Mgmt
Knowledge Elements