



TRIVID TECHNOLOGY SERVICES

## Module 1 : Introduction to Puppet

- The problem
- Configuration management
- A day in the life of a sysadmin
- Keeping the configuration synchronized
- Repeating changes across many servers
- Self-updating documentation
- Coping with different platforms
- Version control and history
- Solving the problem
- Reinventing the wheel
- A waste of effort
- Transferable skills
- Configuration management tools
- Infrastructure as code
- Dawn of the devop
- Job satisfaction
- The comparison of Puppet with Chef, Ansible and Salt stack



+91 8007377665  
+1(404)491-8800



abhay@trividtech.com



www.ttstechloot.com



Block AE-23 , Salt Lake City , Sector - I,  
Tank No:- 4. Land Mark : Lake Town Foot  
Bridge, Kolkata : 700064  
737 Saint George's Ave Woodbridge,  
NJ, 07065



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## Module 2 : The Puppet Advantage

- The Puppet way
- Growing your network
- Cloud scaling
- What is Puppet?
- The Puppet language
- Resources and attributes
- Configuration management
- What Puppet does do ?



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### Module 3 : Puppet Installation and Manifest Creation

- Installing Puppet
- Manifests
- Nodes
- Modules
- Services
- Starting services at boot
- Service status options
- Service control commands
- Resource dependencies
- Files

### Module 4 : Managing Users

- Security practices
- User resources
- Removing or locking accounts
- Managing SSH keys
- Configuring SSH
- Managing privileges with sudo



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## Module 5 : Expression and Logic

- Conditionals
- If statements
- else and elsif
- Unless statements
- Case statements
- The default case
- Matching multiple cases
- Selectors
- Expressions
- Comparisons
- Equality
- Substrings
- Boolean operators
- Combining Boolean operators
- Arithmetic operators
- Regular expressions
- Operators
- Syntax
- Conditionals



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## Module 6 : Reporting and troubleshooting

- Reporting
- Debug and dry-run modes
- Printing messages
- Monitoring Puppet
- Common Puppet errors



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