

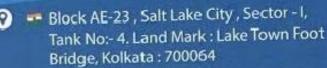
# **Module 1: Introduction to Puppet**

- > 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











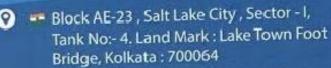
# **Module 2 : The Puppet Advantage**

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











## **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

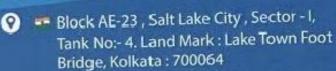
- > Security practices
- ➤ User resources
- > Removing or locking accounts
- ➤ Managing SSH keys
- ➤ Configuring SSH
- > Managing privileges with sudo











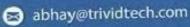


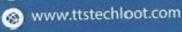
#### **Module 5 : Expression and Logic**

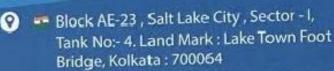
- Conditionals
- > If statements
- > else and elsif
- > Unless statements
- Case statements
- > The default case
- ➤ Matching multiple cases
- Selectors
- > Expressions
- Comparisons
- > Equality
- > Substrings
- ➤ Boolean operators
- ➤ Combining Boolean operators
- > Arithmetic operators
- > Regular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













## **Module 6: Reporting and troubleshooting**

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

