Puppet Services Infrastructure as code

What is Puppet?

Puppet is a unique configuration management system and not in the traditional sense. The Puppet approach not only includes configuration management but also automation, discovery and management of infrastructure. Puppet allows systems administrators to truly 'work smarter, not harder'.

Why would you use Puppet?

Major areas that organisation gain from using Puppet include

- Deliver business benefits earlier - Reduction in the time to deliver infrastructure and environments and reducing infrastructure risk though repeatable automated processes

- Productivity/Efficiency - Puppet code can be reused across multiple servers. So, for example, if there is a standard web server, this can be defined in Puppet as code and then reused as many times as need to create identical web servers (except for ip addresses etc). Basic tasks like changing user permission can be automated once and applied on many platforms. This allows operations staff to look after 100s to 1000s of servers rather than 10-20 manually and business to get consumable and predictable enviornments

- Infrastructure visibility - Puppet allows the infrastructure to be modelled with code that is independent of any one platform. This means that there is a rich set of data describing the overall environment and the changes that have occurred to the environment

- Govern server configuration - Puppet ensures that servers are maintained in the state that is approved though identifying configuration drift and reapplying the approved configuration. This improves reliability

What would you use Puppet for?

Typical uses of Puppet include:

- Cloud and virtualisation automation

- Environment provisioning and management

- Application on component provisioning

- Integration with DevOps tool chains

- Standardisation of infrastructure builds

- Infrastructure governance through configuration drift management

- Server provisioning

- Enforcing security and compliance through deliverables

- Automation of day to day tasks

- Integration with ticket systems to apply automated responses to issues (restarting servers, performing common trouble shooting tasks)

- Automated repair

Our Services include:

- Target state Operational Architecture definition - how do you want to consume and operate your IT services

- Transformation roadmap definition - pragmatic and iterative roadmap to reach your target state

- Automation assessment - What automation needs does your organisation have? What is the current state of automation and what can be done to get to the next level?

- Puppet Health check - is your Puppet environment optimal and delivering what you need?

- Puppet Design and Deployment

- Puppet integration and Support

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