		Time Estimate(h)	
Topic	**Sub-Topic**	**Theory**	**Demo**
Day 1			
Introduction into Ansible	What is Ansible	1.5	0.5
	How Ansible Works		
	Why Ansible : Easy Syntax 　　　　　　Push-Based 　　　　　　Need To Know		
	Where to start with Ansible?		
	Installing Ansible		
Setup Ansible Core	Setting Up Testing Server	1	1
	Configure Ansible		
	Configure Ansible Core		
	Ansible Configuration FIle		
Ansible Inventory	**Configure a static inventory:**	1	1
	Inventory File		
	Hosts and Groups		
	Host Variables		
	Group Variables		
	Aliases		
	Inventory Parameters		
Ansible Commands	**Run Ansible ad-hoc commands :**	1	1
	Gathering Facts		
	Shell Commands		
	File Transfer		
	Managing Packages		
	Users and Groups		

		Managing Services		
	Day 2			
	Ansible Playbook	YAML is your friend: YAML SYNTAX	1	1
		Create and run the first playbook		
		Simple Playbook		
		Plays		
		Tasks		
		Modules		
		Variables		
		Handlers		
	Ansible Roles	Create the first role.	1	1
		Structure Of Role :		
		defaults		
		files		
		handlers		
		meta		
		tasks		
		templates		
		vars		
	Variables	Variable definitions and their scope.	1	1
		Prompting for variables.		
		Introduction into Jinja 2		
		Benefits of templates.		
	Dependencies	Project Role Dependencies.	1	1
		Ansible Galaxy : Creating roles with ansible-galaxy		
		Download / installation of additional roles.		

Day 3			
Ansible in an enterprise environment			
Inventory	Host groups.		
	Naming of host groups and structure of the inventory.		
	Dynamic inventory sources.		
Multitier architecture	Setting variables for tiers.		
	Add new servers for scale out.		
Multiple environments	Pushing applications from test to production.		
	Settings variables for environments.		
	Using separate inventories.		
Lifecycle of an application	Updating applications.		
	Rolling updates.		
	Rollbacks of application releases.		
Day 4			
Challenges in enterprise environments			
Best practices	Introduction into the best practices of Ansible.		
	Important things you should keep in mind when you start working with Ansible.		
Securing Ansible Core	Communication with managed machines.		
	Storing of sensitive data.		
	Deploying SSH keys via Ansible.		

	Deploying SSH keys	Deploying SSH keys via package manager (e.g. yum/rpm, apt/dpkg).		
		Deploying SSH keys via RedHat Satellite.		
	Source Control Management	When should I choose git over svn/cvs?		
		Are the private hosted alternatives to github?		
		How do I implement my administrative IT processes into git?		
	Ansible modules and plugins	What's the difference between an Ansible module and a plugin?		
		Where can I find new modules and plugins?		
		How do I write modules and plugins?		
	Ansible Tower	Introduction into the Ansible Tower.		
		Demonstration of the Portal mode and surveys.		
	Ansible 2	What are there differences between Ansible 1 and 2?		
		Is Ansible 2 backward compatible with my existing roles / playbooks?		
	Ansible + Docker	Introduction into Ansible + Docker.		