Deployment System
Configuration file

Rev. 0.1

Contents

1 Revision History

Date	Author	Comments
10/06/2013	Mirantis team	Initial Draft

2 Introduction

The main goal of this document is detailed description of each variable that is contained (or may be contained) in configuration file.

3 Sections and variables

Red marked variables are required. This variables should be in configuration file. Blue marked variables are optional.

[esxvcenter] - VMWace Vcenter access parameters

Variable	Type	Description	Default value
ip	string	Ip address of VCenter	-
user	string	User name	-
passsword	string	Password	-

[esx] - ESX Hardware Server access parameters

Variable	Type	Description	Default value
ip	string	Ip address of ESX Server	-
user	string	User name	-
passsword	string	Password	-

[settings] - Lists of VM's and network's names and common settings

Variable	Type	Description	Default value
vms	string	List of VM's names separated by commas. This names must be using as a section names	-
networks	string	List of network's names separated by commas. This names must be using as a section names	-
default_iso	string	Path to .iso image, which will be used if 'iso' parameter in 'vm_name' section is not defined	Non-defined string

['network_name'] - Description about network. For each name in 'settings-networks' must defined section with equal name.

Variable	Type	Description	Default value
vlan	int	VLAN number; 0 - no VLAN, 1-4094 - VLAN ID, 4095 - All VLANs	4095
isolated	bool	If this parameter is 'True' - system will create private virtual switch for current network; else network will added as port-group to shared switch, created specifically for this topology	False
promiscuous	bool	If True, enable Promiscuous mode for current network	False
ports	int	If network is 'isolated', this parameter allow to specify the number of emulated ports	120

['**vm_name**'] - Description about Virtual Machine. For each name in 'settings-networks' must defined section with equal name.

Variable	Type	Description	Default value
description	string	Annotation for VM, showen in vSphere Client	None
cpu	int	The number of CPUs available to a virtual machine, must be greater than 0	1
memory	int	Size of RAM in MB available to a virtual machine, must be greater than 0	512
disk_space	int	Size of **new** hard drive, which will be created with VM. If 0 - new hard drive will **not** be created	-
networks	string	List of port groups separated by commas, which must be added to VM. Already existing port groups will be checked for existence	Empty list
iso	string	Path to .iso image for emulating CD-drive (e.g. '/vmfs/volumes/example data-store/example_iso.iso'). If not defined, will be used 'settings-default_iso'. If 'False' string - CD-drive will **not** be added	Not defined
hard_drive	string	Path to existing .vmdk disk files. If defined and files are exists - hard drive will be added after VM creation.	Not defined
device_type	const	A device type based on current VM. Needed for automated pre-configuration (e.g. set up ip or default gw). Values and actions: 'vyatta': Via COM: set up IP, default gw, enable SSH and telnet, log off 'ubuntu_without_password': work only if root password not setted. Via VNC: setting up IP, default gw, log off. 'other': no actions	'other'
vnc_port	int	Number of VNC port used for pre-configuration via vnc. Must be unique to 1 VM. Started from 5900. If 0 - VNC access will **not** be added.	0
config_type	const	Technology, used in configuration. If device_type is not 'other', variable is not used. Values: 'com': configuration via serial console 'vnc': configuration via vnc access	based on 'device_type' and 'vnc_port': if 'other' and 'vnc_port' is defined - 'vnc', else 'com'
configuration	string	List of addition commands, which will be sent to VM after automated pre-configuration. Separated by commas. Note: after pre-configuration VM is logged off.	

Pre-configuration parameters. These parameters are required if 'device_type' is not 'other'

user	string	User name in guest os	-
password	string	Password for user name	-
external_interface	string	Interface for configuration (e.g. eth0)	-
ip	string	Ip(v4) for configuration	-
mask	string	Net mask for ip; format '/%d' (e.g. '/24')	-
gw	string	Default gateway (ipv4)	-