

Custom Packaging Details for Shared VNF

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Cisco vEdge Router Variable List

In the following Cisco vEdge Router variable list, same variable names can be used for service chains five and six respectively with appropriate renumbering as mentioned for service chains.

Cisco vEdge Router Variable List

Cisco vEdge Router is in StandAlone Mode and Neighbor is in HA Mode
The input to the first VNF is in access mode (hypervisor-tagged) and the neighbor (ASAv firewall) is in HA mode.

User Variables	System Variables	
	Mandatory Variables when Service Chains 1 and 2 are Shared.	**Optional Variables wh Shared.**
DNS_SERVER	OTP	
UUID	VBOND_IP	
INSIDE_PRIM	ORG_NAME	
INSIDE_DATA_MASK_LEN	BGP_NO	
INSIDE_PEER_DATA_IP_PRIM	SYSTEM_IP	
INSIDE_AS	MGMT_PRIM	
LOCAL_INSIDE_AS	MGMT_MASK_LEN	
INSIDE_GW	MGMT_GW	
SERVICE_VPN	RCC	
SERVICE_VPN_2	VM_INSTANCE_NAME	

User Variables	System Variables	
SERVICE_VPN_3	OUTSIDE_PRIM	OUTSIDE_PRIM_3
SERVICE_VPN_4	OUTSIDE_DATA_MASK_LEN	OUTSIDE_DATA_MASK
	OUTSIDE_PEER_DATA_IP_PRIM	OUTSIDE_PEER_DATA_
	OUTSIDE_AS	OUTSIDE_AS_3
	OUTSIDE_VLAN_1	OUTSIDE_VLAN_3
	OUTSIDE_PEER_DATA_IP_SEC	OUTSIDE_PEER_DATA_
	OUTSIDE_PRIM_2	OUTSIDE_PRIM_4
	OUTSIDE_DATA_MASK_LEN_2	OUTSIDE_DATA_MASK
	OUTSIDE_PEER_DATA_IP_PRIM_2	OUTSIDE_PEER_DATA_
	OUTSIDE_AS_2	OUTSIDE_AS_4
	OUTSIDE_VLAN_2	OUTSIDE_VLAN_4
	OUTSIDE_PEER_DATA_IP_SEC_2	OUTSIDE_PEER_DATA_

Cisco vEdge Router Variable List

Cisco vEdge Router is in StandAlone Mode and Neighbor is in StandAlone Mode
The input to the first VNF is in access mode (hypervisor-tagged) and the neighbor is in StandAlone mode.

User Variables	System Variables	
	Mandatory Variables when Service Chains 1 and 2 are Shared.	**Optional Variables when Shared.**
DNS_SERVER	OTP	
UUID	VBOND_IP	
INSIDE_PRIM	ORG_NAME	
INSIDE_DATA_MASK_LEN	BGP_NO	
INSIDE_PEER_DATA_IP_PRIM	SYSTEM_IP	
INSIDE_AS	MGMT_PRIM	
LOCAL_INSIDE_AS	MGMT_MASK_LEN	
INSIDE_GW	MGMT_GW	
SERVICE_VPN	RCC	
SERVICE_VPN_2	VM_INSTANCE_NAME	

User Variables	System Variables	
SERVICE_VPN_3	OUTSIDE_PRIM	OUTSIDE_PRIM_3
SERVICE_VPN_4	OUTSIDE_DATA_MASK_LEN	OUTSIDE_DATA_MA
	OUTSIDE_PEER_DATA_IP_PRIM	OUTSIDE_PEER_DA
	OUTSIDE_AS	OUTSIDE_AS_3
	OUTSIDE_VLAN_1	OUTSIDE_VLAN_3
	OUTSIDE_PRIM_2	OUTSIDE_PRIM_4
	OUTSIDE_DATA_MASK_LEN_2	OUTSIDE_DATA_MA
	OUTSIDE_PEER_DATA_IP_PRIM_2	OUTSIDE_PEER_DA
	OUTSIDE_AS_2	OUTSIDE_AS_4
	OUTSIDE_VLAN_2	OUTSIDE_VLAN_4

Cisco vEdge Router Variable List

Cisco vEdge Router is in StandAlone Mode and Neighbor is in StandAlone Mode
The input to the first VNF is in the trunk mode (VNF-tagged) and the neighbor is in StandAlone mode.

User Variables	System Variables	
	Mandatory Variables when Service Chains 1 and 2 are Shared.	**Optional Variables wh Shared**
DNS_SERVER	OTP	
UUID	VBOND_IP	
INSIDE_VLAN1	ORG_NAME	
INSIDE_PRIM_SUBNET1_IP	BGP_NO	
INSIDE_DATA_MASK_LEN1	SYSTEM_IP	
INSIDE_VLAN2	MGMT_PRIM	
INSIDE_PRIM_SUBNET2_IP	MGMT_MASK_LEN	
INSIDE_DATA_MASK_LEN2	MGMT_GW	
INSIDE_GW1	RCC	
INSIDE_GW2	VM_INSTANCE_NAME	
SERVICE_VPN	OUTSIDE_PRIM	OUTSIDE_PRIM_3
SERVICE_VPN_2	OUTSIDE_DATA_MASK_LEN	OUTSIDE_DATA_MA

User Variables	System Variables	
SERVICE_VPN_3	OUTSIDE_PEER_DATA_IP_PRIM	OUTSIDE_PEER_DATA_
SERVICE_VPN_4	OUTSIDE_AS	OUTSIDE_AS_3
	OUTSIDE_VLAN_1	OUTSIDE_VLAN_3
	OUTSIDE_PRIM_2	OUTSIDE_PRIM_4
	OUTSIDE_DATA_MASK_LEN_2	OUTSIDE_DATA_MASK
	OUTSIDE_PEER_DATA_IP_PRIM_2	OUTSIDE_PEER_DATA_
	OUTSIDE_AS_2	OUTSIDE_AS_4
	OUTSIDE_VLAN_2	OUTSIDE_VLAN_4

Cisco vEdge Router Variable List

Cisco vEdge Router is in StandAlone Mode and Neighbor is in HA Mode
The input to the first VNF is in the trunk mode (VNF-tagged) and the neighbor is in HA mode.

User Variables	System Variables	
	Mandatory Variables when Service Chains 1 and 2 are Shared.	**Optional Variables when Shared.**
DNS_SERVER	OTP	
UUID	VBOND_IP	
INSIDE_VLAN1	ORG_NAME	
INSIDE_PRIM_SUBNET1_IP	BGP_NO	
INSIDE_DATA_MASK_LEN1	SYSTEM_IP	
INSIDE_VLAN2	MGMT_PRIM	
INSIDE_PRIM_SUBNET2_IP	MGMT_MASK_LEN	
INSIDE_DATA_MASK_LEN2	MGMT_GW	
INSIDE_GW1	RCC	
INSIDE_GW2	VM_INSTANCE_NAME	
SERVICE_VPN	OUTSIDE_PRIM	OUTSIDE_PRIM_3
SERVICE_VPN_2	OUTSIDE_DATA_MASK_LEN	OUTSIDE_DATA_MASK
SERVICE_VPN_3	OUTSIDE_PEER_DATA_IP_PRIM	OUTSIDE_PEER_DATA_
SERVICE_VPN_4	OUTSIDE_AS	OUTSIDE_AS_3

User Variables	System Variables	
	OUTSIDE_VLAN_1	OUTSIDE_VLAN_3
	OUTSIDE_PEER_DATA_IP_SEC	OUTSIDE_PEER_DA
	OUTSIDE_PRIM_2	OUTSIDE_PRIM_4
	OUTSIDE_DATA_MASK_LEN_2	OUTSIDE_DATA_MA
	OUTSIDE_PEER_DATA_IP_PRIM_2	OUTSIDE_PEER_DA
	OUTSIDE_AS_2	OUTSIDE_AS_4
	OUTSIDE_VLAN_2	OUTSIDE_VLAN_4
	OUTSIDE_PEER_DATA_IP_SEC_2	OUTSIDE_PEER_DA

Cisco CSR1000V Variable List

Cisco CSR1000V Variable List

Last Cisco CSR1000V VNF is in HA Mode and Neighbor is in StandAlone Mode
The output from the last VNF is in access mode (hypervisor-tagged) and the neighbor (ASAv firewall) is in StandAlone mode.

User Variables	System Variables	
	Mandatory Variables	**Optional Variables**
DOMAIN_NAME	VM_INSTANCE_NAME	
DNS_SERVER	TNAME	
NTP_SERVER	ORG_NAME	
TIMEZONE	BGP_NO	
OFFSET	SYSTEM_IP	
SUMMER_TIMEZONE	MGMT_PRIM	
TECH_PACKAGE	MGMT_MASK	
THROUGHPUT_IN_MB	MGMT_GW	
TOKEN_VALUE	MGMT_SEC	
PASS	INSIDE_VLAN_1	INSIDE_VLAN_3
OUTSIDE_PRIM	INSIDE_PRIM	INSIDE_PRIM_3
OUTSIDE_DATA_MASK	INSIDE_DATA_MASK	INSIDE_DATA_MASI

User Variables	System Variables	
OUTSIDE_PEER_DATA_IP_PRIM	INSIDE_PEER_DATA_IP_PRIM	INSIDE_PEER_DATA_IP
OUTSIDE_AS	INSIDE_AS	INSIDE_AS_3
LOCAL_OUTSIDE_AS	INSIDE_VLAN_2	INSIDE_VLAN_4
OUTSIDE_PEER_DATA_IP_SEC	INSIDE_PRIM_2	INSIDE_PRIM_4
OUTSIDE_SEC	INSIDE_DATA_MASK_2	INSIDE_DATA_MASK_4
	INSIDE_PEER_DATA_IP_PRIM_2	INSIDE_PEER_DATA_IP
	INSIDE_AS_2	INSIDE_AS_4

Cisco CSR1000V Variable List

Last Cisco CSR1000V VNF is in StandAlone Mode and Neighbor is in StandAlone Mode
The output from the last VNF is in access mode (hypervisor-tagged) and the neighbor is in StandAlone mode.

User Variables	System Variables	
	Mandatory Variables	**Optional Variables**
DOMAIN_NAME	VM_INSTANCE_NAME	
DNS_SERVER	TNAME	
NTP_SERVER	ORG_NAME	
TIMEZONE	BGP_NO	
OFFSET	SYSTEM_IP	
SUMMER_TIMEZONE	MGMT_PRIM	
TECH_PACKAGE	MGMT_MASK	
THROUGHPUT_IN_MB	MGMT_GW	
TOKEN_VALUE	INSIDE_VLAN_1	INSIDE_VLAN_3
PASS	INSIDE_PRIM	INSIDE_PRIM_3
OUTSIDE_PRIM	INSIDE_DATA_MASK	INSIDE_DATA_MASK_3
OUTSIDE_DATA_MASK	INSIDE_PEER_DATA_IP_PRIM	INSIDE_PEER_DATA_IP
OUTSIDE_PEER_DATA_IP_PRIM	INSIDE_AS	INSIDE_AS_3
OUTSIDE_AS	INSIDE_PEER_DATA_IP_SEC	INSIDE_PEER_DATA_IP
LOCAL_OUTSIDE_AS	VIP_IP_ADDRESS	VIP_IP_ADDRESS_3
	INSIDE_SEC	INSIDE_SEC_3

User Variables	System Variables	
	INSIDE_VLAN_2	INSIDE_VLAN_4
	INSIDE_PRIM_2	INSIDE_PRIM_4
	INSIDE_DATA_MASK_2	INSIDE_DATA_MASK
	INSIDE_PEER_DATA_IP_PRIM_2	INSIDE_PEER_DATA
	INSIDE_AS_2	INSIDE_AS_4
	INSIDE_PEER_DATA_IP_SEC_2	INSIDE_PEER_DATA
	VIP_IP_ADDRESS_2	VIP_IP_ADDRESS_4
	INSIDE_SEC_2	INSIDE_SEC_4

Cisco CSR1000V Variable List

Last Cisco CSR1000V VNF is in StandAlone Mode and Neighbor is in HA Mode
The output from the last VNF is in access mode (hypervisor-tagged) and the neighbor is in HA mode.

User Variables	System Variables	
	Mandatory Variables	**Optional Variables**
DOMAIN_NAME	VM_INSTANCE_NAME	
DNS_SERVER	TNAME	
NTP_SERVER	ORG_NAME	
TIMEZONE	BGP_NO	
OFFSET	SYSTEM_IP	
SUMMER_TIMEZONE	MGMT_PRIM	
TECH_PACKAGE	MGMT_MASK	
THROUGHPUT_IN_MB	MGMT_GW	
TOKEN_VALUE	INSIDE_VLAN_1	INSIDE_VLAN_3
PASS	INSIDE_PRIM	INSIDE_PRIM_3
OUTSIDE_PRIM	INSIDE_DATA_MASK	INSIDE_DATA_MASK
OUTSIDE_DATA_MASK	INSIDE_PEER_DATA_IP_PRIM	INSIDE_PEER_DATA
OUTSIDE_PEER_DATA_IP_PRIM	INSIDE_AS	INSIDE_AS_3
OUTSIDE_AS	INSIDE_VLAN_2	INSIDE_VLAN_4
LOCAL_OUTSIDE_AS	INSIDE_PRIM_2	INSIDE_PRIM_4

User Variables	System Variables	
	INSIDE_DATA_MASK_2	INSIDE_DATA_MASK_4
	INSIDE_PEER_DATA_IP_PRIM_2	INSIDE_PEER_DATA_IP
	INSIDE_AS_2	INSIDE_AS_4

Cisco CSR1000V Variable List

Last Cisco CSR1000V VNF is in HA Mode and Neighbor is in HA Mode
The output from the last VNF is in access mode (hypervisor-tagged) and the neighbor is in HA mode.

User Variables	System Variables	
	Mandatory Variables	**Optional Variables**
DOMAIN_NAME	VM_INSTANCE_NAME	
DNS_SERVER	TNAME	
NTP_SERVER	ORG_NAME	
TIMEZONE	BGP_NO	
OFFSET	SYSTEM_IP	
SUMMER_TIMEZONE	MGMT_PRIM	
TECH_PACKAGE	MGMT_MASK	
THROUGHPUT_IN_MB	MGMT_GW	
TOKEN_VALUE	MGMT_SEC	
PASS	INSIDE_VLAN_1	INSIDE_VLAN_3
OUTSIDE_PRIM	INSIDE_PRIM	INSIDE_PRIM_3
OUTSIDE_DATA_MASK	INSIDE_DATA_MASK	INSIDE_DATA_MASK_3
OUTSIDE_PEER_DATA_IP_PRIM	INSIDE_PEER_DATA_IP_PRIM	INSIDE_PEER_DATA_IP
OUTSIDE_AS	INSIDE_AS	INSIDE_AS_3
LOCAL_OUTSIDE_AS	INSIDE_PEER_DATA_IP_SEC	INSIDE_PEER_DATA_IP
OUTSIDE_PEER_DATA_IP_SEC	VIP_IP_ADDRESS	VIP_IP_ADDRESS_3
OUTSIDE_SEC	INSIDE_SEC	INSIDE_SEC_3
	INSIDE_VLAN_2	INSIDE_VLAN_4
	INSIDE_PRIM_2	INSIDE_PRIM_4
	INSIDE_DATA_MASK_2	INSIDE_DATA_MASK_4

User Variables	System Variables	
	INSIDE_PEER_DATA_IP_PRIM_2	INSIDE_PEER_DATA
	INSIDE_AS_2	INSIDE_AS_4
	INSIDE_PEER_DATA_IP_SEC_2	INSIDE_PEER_DATA
	VIP_IP_ADDRESS_2	VIP_IP_ADDRESS_4

ASAv Variable List

Note In the following ASAv variable list, same variable names can be used for service chains five and six respectively with appropriate renumbering as mentioned for service chains.

ASAv Variable List

First ASAv VNF is in HA Mode and Neighbor is in HA Mode
The input to the first VNF is in access mode (hypervisor-tagged) and the neighbor is in HA mode.

User Variables	System Variables	
	Mandatory Variables when Service Chains 1 and 2 are Shared.	**Optional Variables wh Shared.**
DNS_SERVER	OTP	
OFFSET	VBOND_IP	
SUMMER_TIMEZONE	ORG_NAME	
DOMAIN_NAME	BGP_NO	
NTP_SERVER_NAME	SYSTEM_IP	
LIC_LEVEL	RCC	
ID_TOKEN	VM_INSTANCE_NAME	
PASS	TNAME	
TIMEZONE	HA_PRIM_IP	
INSIDE_PRIM	HA_SEC_IP	
INSIDE_SEC	HA_MASK	
INSIDE_DATA_MASK	MGMT_PRIM	
INSIDE_PEER_DATA_IP_PRIM	MGMT_MASK	

User Variables	System Variables	
INSIDE_PEER_DATA_IP_SEC	MGMT_GW	
INSIDE_AS	MGMT_SEC	
LOCAL_INSIDE_AS	OUTSIDE_PRIM	OUTSIDE_PRIM_3
	OUTSIDE_DATA_MASK	OUTSIDE_DATA_MASK
	OUTSIDE_PEER_DATA_IP_PRIM	OUTSIDE_PEER_DATA_
	OUTSIDE_AS	OUTSIDE_AS_3
	OUTSIDE_VLAN_1	OUTSIDE_VLAN_3
	OUTSIDE_PEER_DATA_IP_SEC	OUTSIDE_PEER_DATA_
	OUTSIDE_SEC	OUTSIDE_SEC_3
	OUTSIDE_PRIM_2	OUTSIDE_PRIM_4
	OUTSIDE_DATA_MASK_2	OUTSIDE_DATA_MASK
	OUTSIDE_PEER_DATA_IP_PRIM_2	OUTSIDE_PEER_DATA_
	OUTSIDE_AS_2	OUTSIDE_AS_4
	OUTSIDE_VLAN_2	OUTSIDE_VLAN_4
	OUTSIDE_PEER_DATA_IP_SEC_2	OUTSIDE_PEER_DATA_
	OUTSIDE_SEC_2	OUTSIDE_SEC_4

ASAv Variable List

First ASAv VNF is in StandAlone Mode and Neighbor is in StandAlone Mode
The input to the first VNF is in access mode (hypervisor-tagged) and the neighbor is in StandAlone mode.

User Variables	System Variables	
	Mandatory Variables when Service Chains 1 and 2 are Shared.	**Optional Variables when Shared.**
DNS_SERVER	OTP	
OFFSET	VBOND_IP	
SUMMER_TIMEZONE	ORG_NAME	
DOMAIN_NAME	BGP_NO	
NTP_SERVER_NAME	SYSTEM_IP	
LIC_LEVEL	RCC	

User Variables	System Variables	
ID_TOKEN	VM_INSTANCE_NAME	
PASS	TNAME	
TIMEZONE	MGMT_PRIM	
INSIDE_PRIM	MGMT_MASK	
INSIDE_DATA_MASK	MGMT_GW	
INSIDE_PEER_DATA_IP_PRIM	OUTSIDE_PRIM	OUTSIDE_PRIM_3
INSIDE_AS	OUTSIDE_DATA_MASK	OUTSIDE_DATA_MA
LOCAL_INSIDE_AS	OUTSIDE_PEER_DATA_IP_PRIM	OUTSIDE_PEER_DA
	OUTSIDE_AS	OUTSIDE_AS_3
	OUTSIDE_VLAN_1	OUTSIDE_VLAN_3
	OUTSIDE_PRIM_2	OUTSIDE_PRIM_4
	OUTSIDE_DATA_MASK_2	OUTSIDE_DATA_MA
	OUTSIDE_PEER_DATA_IP_PRIM_2	OUTSIDE_PEER_DA
	OUTSIDE_AS_2	OUTSIDE_AS_4
	OUTSIDE_VLAN_2	OUTSIDE_VLAN_4

ASAv Variable List

First ASAv VNF is in StandAlone Mode and Neighbor is in HA Mode
The input to the first VNF is in access mode (hypervisor-tagged) and the neighbor is in HA mode.

User Variables	System Variables	
	Mandatory Variables when Service Chains 1 and 2 are Shared.	**Optional Variables wh Shared.**
DNS_SERVER	OTP	
OFFSET	VBOND_IP	
SUMMER_TIMEZONE	ORG_NAME	
DOMAIN_NAME	BGP_NO	
NTP_SERVER_NAME	SYSTEM_IP	
LIC_LEVEL	RCC	
ID_TOKEN	VM_INSTANCE_NAME	

User Variables	System Variables	
PASS	TNAME	
TIMEZONE	MGMT_PRIM	
INSIDE_PRIM	MGMT_MASK	
INSIDE_DATA_MASK	MGMT_GW	
INSIDE_PEER_DATA_IP_PRIM	OUTSIDE_PRIM	OUTSIDE_PRIM_3
INSIDE_AS	OUTSIDE_DATA_MASK	OUTSIDE_DATA_MASK
LOCAL_INSIDE_AS	OUTSIDE_PEER_DATA_IP_PRIM	OUTSIDE_PEER_DATA_
	OUTSIDE_AS	OUTSIDE_AS_3
	OUTSIDE_VLAN_1	OUTSIDE_VLAN_3
	OUTSIDE_PEER_DATA_IP_SEC	OUTSIDE_PEER_DATA_
	OUTSIDE_PRIM_2	OUTSIDE_PRIM_4
	OUTSIDE_DATA_MASK_2	OUTSIDE_DATA_MASK
	OUTSIDE_PEER_DATA_IP_PRIM_2	OUTSIDE_PEER_DATA_
	OUTSIDE_AS_2	OUTSIDE_AS_4
	OUTSIDE_VLAN_2	OUTSIDE_VLAN_4
	OUTSIDE_PEER_DATA_IP_SEC_2	OUTSIDE_PEER_DATA_

ASAv Variable List

First ASAv VNF is in HA Mode and Neighbor is in HA Mode
The input to the first VNF is in the trunk mode (vnf-tagged) and the neighbor is in HA mode.

User Variables	System Variables	
	Mandatory Variables when Service Chains 1 and 2 are Shared.	**Optional Variables when Shared.**
DNS_SERVER	OTP	
OFFSET	VBOND_IP	
SUMMER_TIMEZONE	ORG_NAME	
DOMAIN_NAME	BGP_NO	
NTP_SERVER_NAME	SYSTEM_IP	
LIC_LEVEL	RCC	

User Variables	System Variables	
ID_TOKEN	VM_INSTANCE_NAME	
PASS	TNAME	
TIMEZONE	HA_PRIM_IP	
INSIDE_PRIM_SUBNET1_IP	HA_SEC_IP	
INSIDE_PEER_DATA_IP_PRIM1	HA_MASK	
INSIDE_AS1	MGMT_PRIM	
LOCAL_INSIDE_AS1	MGMT_MASK	
INSIDE_VLAN1	MGMT_GW	
INSIDE_DATA_MASK_SUBNET1	MGMT_GW	
INSIDE_PRIM_SUBNET2_IP	OUTSIDE_PRIM	OUTSIDE_PRIM_3
INSIDE_PEER_DATA_IP_PRIM2	OUTSIDE_DATA_MASK	OUTSIDE_DATA_MA
INSIDE_AS2	OUTSIDE_PEER_DATA_IP_PRIM	OUTSIDE_PEER_DA
LOCAL_INSIDE_AS2	OUTSIDE_AS	OUTSIDE_AS_3
INSIDE_VLAN2	OUTSIDE_VLAN_1	OUTSIDE_VLAN_3
INSIDE_DATA_MASK_SUBNET2	OUTSIDE_PEER_DATA_IP_SEC	OUTSIDE_PEER_DA
INSIDE_PRIM_SUBNET3_IP	OUTSIDE_SEC	OUTSIDE_SEC_3
INSIDE_PEER_DATA_IP_PRIM3	OUTSIDE_PRIM_2	OUTSIDE_PRIM_4
INSIDE_AS3	OUTSIDE_DATA_MASK_2	OUTSIDE_DATA_MA
LOCAL_INSIDE_AS3	OUTSIDE_PEER_DATA_IP_PRIM_2	OUTSIDE_PEER_DA
INSIDE_VLAN3	OUTSIDE_AS_2	OUTSIDE_AS_4
INSIDE_DATA_MASK_SUBNET3	OUTSIDE_VLAN_2	OUTSIDE_VLAN_4
INSIDE_PRIM_SUBNET4_IP	OUTSIDE_PEER_DATA_IP_SEC_2	OUTSIDE_PEER_DA
INSIDE_PEER_DATA_IP_PRIM4	OUTSIDE_SEC_2	OUTSIDE_SEC_4
INSIDE_AS4		
LOCAL_INSIDE_AS4		
INSIDE_VLAN4		
INSIDE_DATA_MASK_SUBNET4		