

## **UserData Script For Security Appliance (Firewall)**

```
#!/bin/bash
```

```
# Update the system  
yum update -y
```

```
# Install iptables-services for managing iptables  
yum install -y iptables-services
```

```
# Enable IP forwarding for Layer 3 routing  
echo "net.ipv4.ip_forward=1" >> /etc/sysctl.conf  
sysctl -p
```

```
# Flush all existing iptables rules  
iptables -F
```

```
# Set default policies to allow all traffic  
iptables -P INPUT ACCEPT  
iptables -P FORWARD ACCEPT  
iptables -P OUTPUT ACCEPT
```

```
# Save the iptables rules  
service iptables save
```

```
# Enable and start the iptables service  
systemctl enable iptables  
systemctl start iptables
```