SSH?????????DDoS ?????????

SSH□□□□□□□□□ DDoS□□□□□□□□□

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1. □□□□ `140.174.49.38` □□ IP□□□□ SSH□□□□□□□□□□□□
2. □□□□□□□ DDoS□□ `kswpad`□ `kal64`□□□ sshd□ systemd□□□□□ getty□□□□□
3. □□□□□□□□□□□□□ DDoS□□□□□□□□□□□□□□□□□□□□□□□□

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1. □□□□□

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- □□ /□□□□□□□□□□□□□ IP `140.174.49.38`□□□□□□□□□□ IP□□□□□□□ SSH□□□

2. □□ SSH□□□□

1. □□□□ SSH□□

```bash
systemctl stop sshd
systemctl disable sshd
```

2. □□□□□□□□□□□□□□

```bash
sed -i 's/#PasswordAuthentication yes/PasswordAuthentication no/' /etc/ssh/sshd_config
sed -i 's/PermitRootLogin yes/PermitRootLogin no/' /etc/ssh/sshd_config
```

3. □□ SSH□□ 22□□□□□□□□□□

```bash
sed -i 's/#Port 22/Port 22222/' /etc/ssh/sshd_config
systemctl restart sshd
```

3. □□□□□□

```bash
# □□□□□□
pkill -f kswpad
pkill -f kal64
pkill -f bsd-port/getty
```

```
# 验证进程是否残留
ps aux | grep -E "kswpad|kal64|bsd-port"
```

三、彻底清除木马文件（对应告警恶意实体）

1. 删除木马本体

```bash
# 恶意配置文件
rm -rf /etc/kswpad
# 临时木马程序
rm -rf /tmp/kal64
# 伪造登录后门程序
rm -rf /usr/bin/bsd-port/getty
# 篡改的sshd后门（替换为官方原版）
rm /usr/bin/sshd
# 恢复官方openssh
yum reinstall openssh-server -y  # CentOS/RHEL
apt reinstall openssh-server -y   # Ubuntu/Debian
```

2. 清理恶意systemd自启服务

告警中`/lib/systemd/system/`下恶意单元，批量清理：

```bash
# 查找木马相关自启文件
find /lib/systemd/system -name "*ksw*" -o -name "*kal*"
# 删除匹配到的恶意service文件，执行daemon-reload刷新
systemctl daemon-reload
```

3. 清理定时任务（蠕虫会写入crontab持久化）

```bash
# 查看所有用户定时任务，删除恶意脚本
crontab -l -u root
rm -rf /var/spool/cron/root
# 系统级定时任务
ls /etc/cron.*
```

四、账号安全排查（暴力破解成功，账号已泄露）

1. **禁用root远程登录**，所有业务账号重置高强度密码（大小写+数字+符号，16位以上）；
2. 检查是否新增恶意后门账号：

```bash
cat /etc/passwd | grep "/bin/bash"
```

[illegible] `userdel -r [illegible]`[illegible]
3. [illegible] SSH[illegible]
```bash
rm -rf /root/.ssh/authorized_keys
```

[illegible]
```bash
# [illegible] SSH[illegible]
journalctl -u sshd --no-pager
# [illegible]
last
# [illegible]
cat /var/log/messages | grep -E "kswpad|kal64"
```
[illegible]

[illegible]
1. SSH[illegible]
- [illegible]
- [illegible] SSH[illegible]
- [illegible] SSH[illegible] IP[illegible] /[illegible] IP[illegible]

2. [illegible] /[illegible]
1. [illegible] IP[illegible] 22[illegible]
2. [illegible] IP[illegible] IP[illegible]
3. [illegible] fail2ban[illegible] IP[illegible] SSH[illegible] IP[illegible]

3. [illegible]
1. [illegible] `yum update / apt update`[illegible]
2. [illegible] root[illegible] SSH[illegible]
3. /tmp[illegible]
4. [illegible] `/tmp`[illegible] `/etc`[illegible] `systemd` [illegible]

4. [illegible]
[illegible] SSH[illegible] IP[illegible] `kswpad/kal64/bsd-port/getty` [illegible]

[illegible]
[illegible] **[illegible]**[illegible]
1. [illegible] lib[illegible] sshd[illegible]
2. [illegible] rootkit[illegible]
3. [illegible]
4. [illegible]

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