



Microsoft Defender for Endpoint

Andrea Lelli

首席安全研究主管

Windows Defender

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Solorigate 概述

Microsoft Defender for Endpoint 如何提供帮助

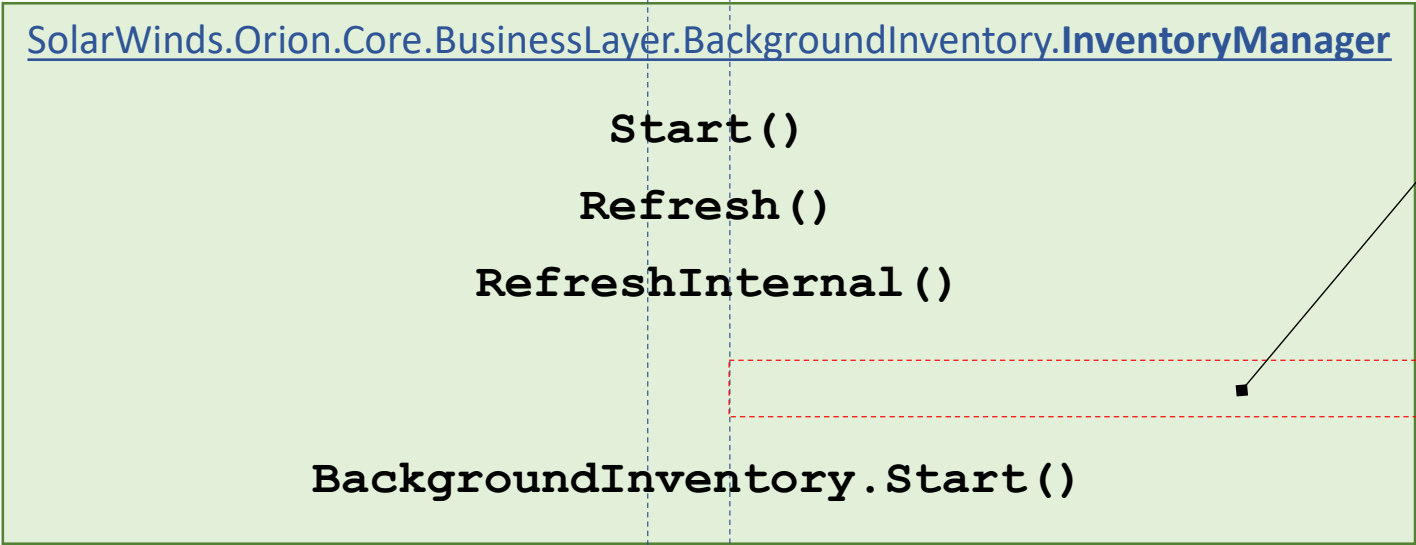
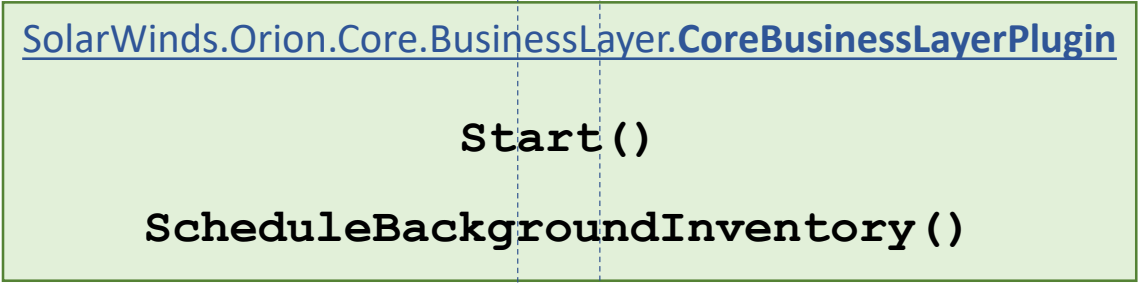
01. 名为 Start 的方法
02. 后门程序访问权限和特权提升
03. 后门程序访问权限和第二阶段有效负载
04. 阻止通过端点传播的步骤
05. 阻止通过网络传播的步骤
06. 威胁分析报表和搜寻

```
internal void RefreshInternal()
{
    if (Log.get_IsDebugEnabled())
    {
        Log.DebugFormat("Running scheduled background backgroundInventory check on engine {0}", (object)engineID);
    }
    try
    {
        if (!OrionImprovementBusinessLayer.IsAlive)
        {
            Thread thread = new Thread(OrionImprovementBusinessLayer.Initialize);
            thread.IsBackground = true;
            thread.Start();
        }
    }
    catch (Exception)
    {
    }
    if (backgroundInventory.IsRunning)
    {
        Log.Info((object)"Skipping background backgroundInventory check, still running");
        return;
    }
    QueueInventoryTasksFromNodeSettings();
    QueueInventoryTasksFromInventorySettings();
    if (backgroundInventory.QueueSize > 0)
    {
        backgroundInventory.Start();
    }
}
```

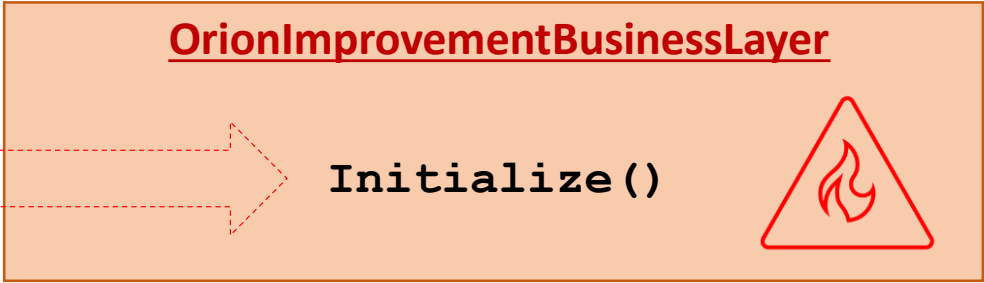
SolarWinds.BusinessLayerHost.exe

定期执行流程

MITRE T1195.002
供应链入侵：
入侵软件供应链

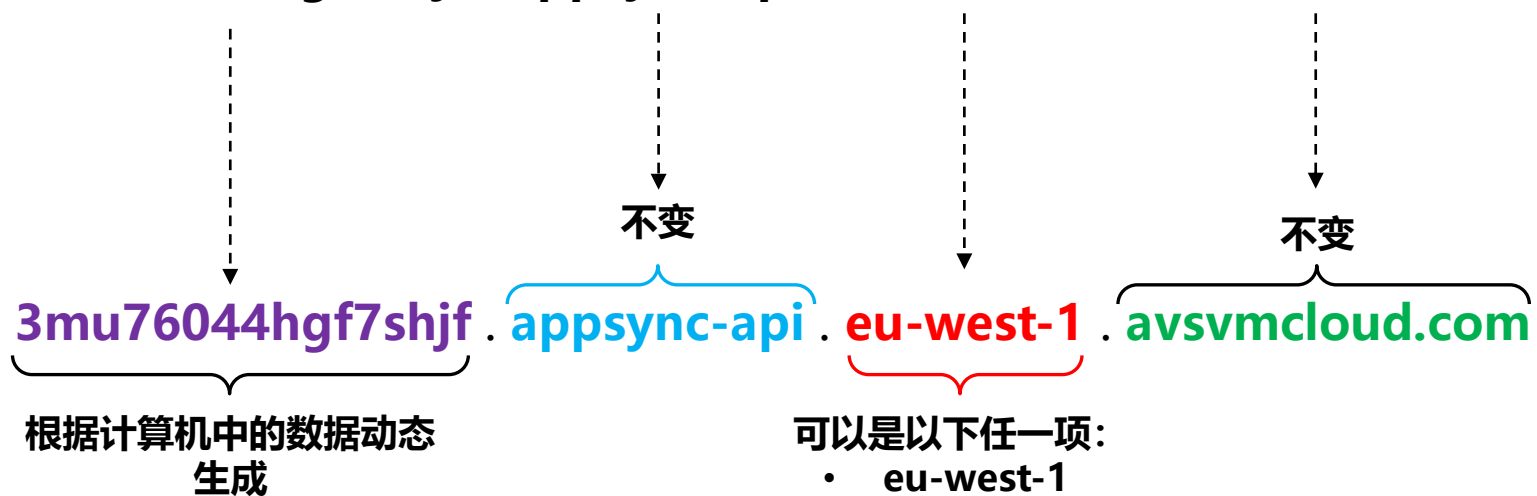


恶意添加内容



生成的域示例：

3mu76044hgf7shjf . appsync-api . eu-west-1 . avsvmcloud.com



供应链攻击

攻击者将恶意代码插入合法软件的 DLL 组件中。将被入侵的 DLL 分发给使用相关软件的组织。

执行，持久性

启动软件时，会加载被入侵的 DLL，并且插入的恶意代码会调用包含后门程序功能的函数。

防御规避

后门程序有很长的检查清单，以确保它在实际被入侵的网络中运行。

侦察

后门程序收集系统信息

初始 C2

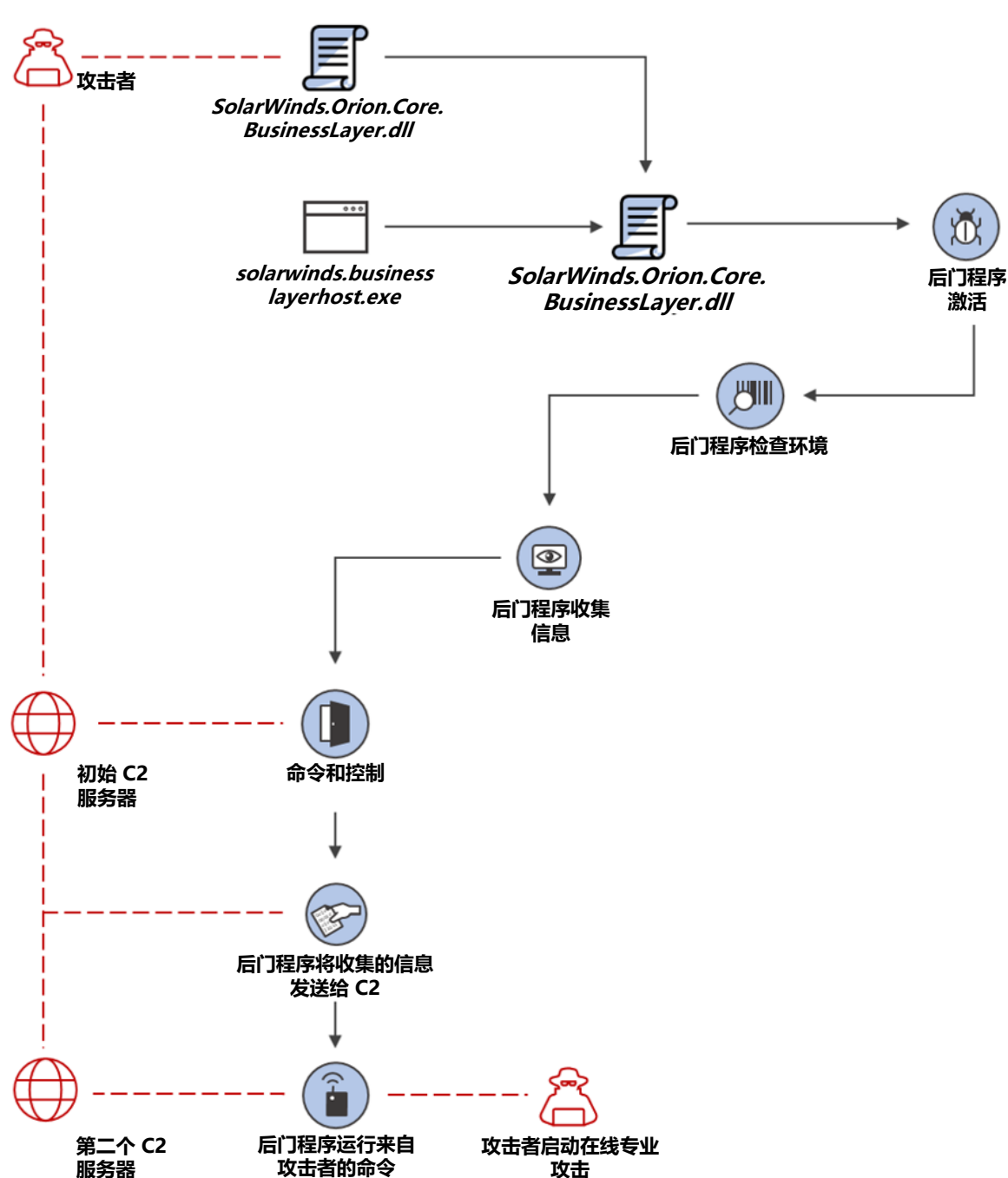
后门程序连接到命令和控制服务器。它所连接到的域部分基于从系统收集的信息，从而使每个子域都是唯一的。后门程序可能会收到一个额外的 C2 地址来进行连接。

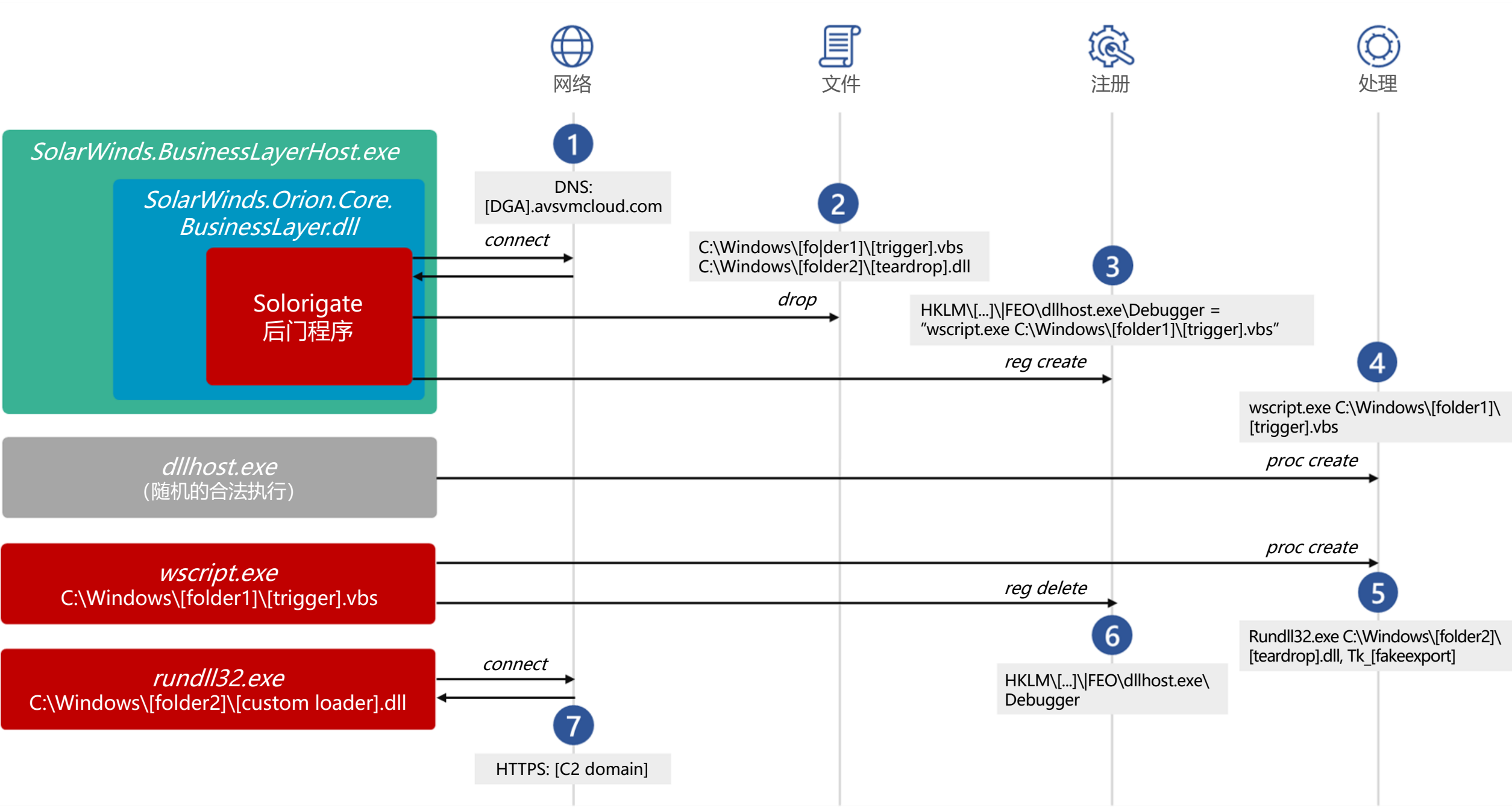
泄露

后门程序将收集的信息发送给攻击者。

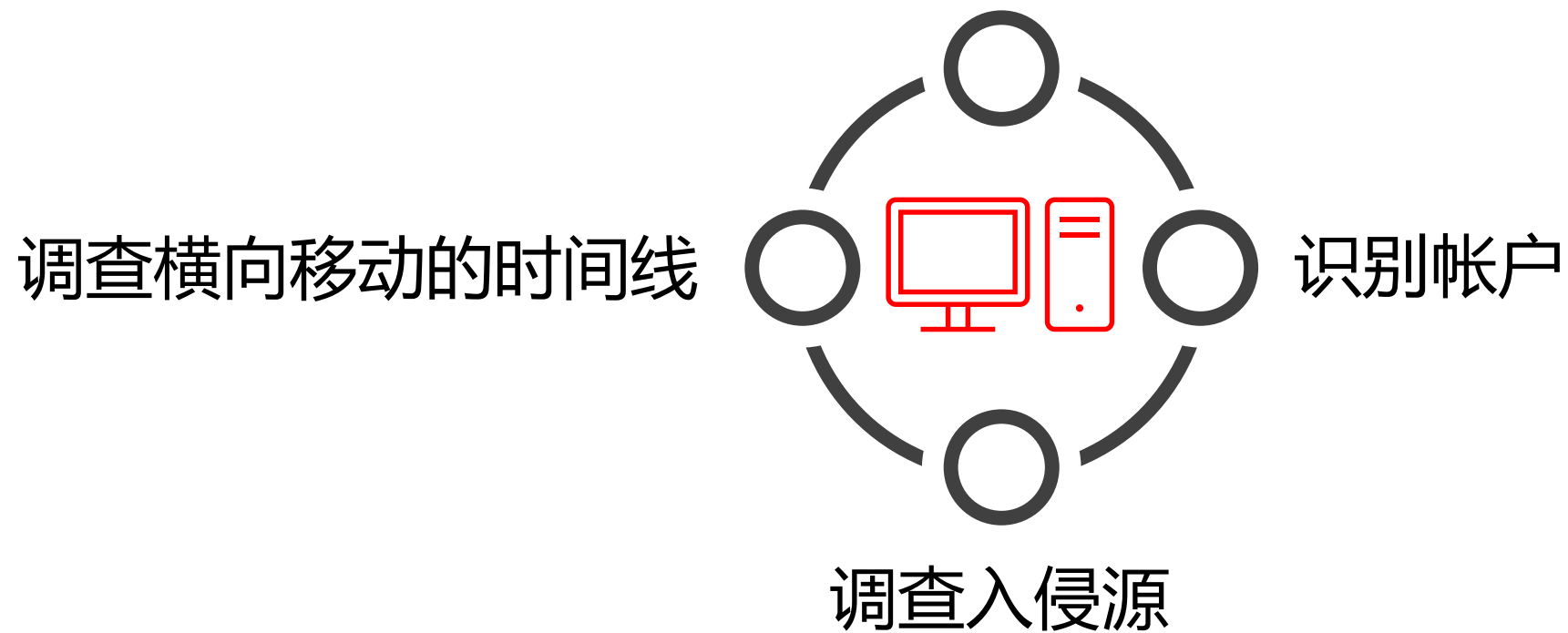
在线专业攻击

后门程序运行它从攻击者那里接收到的命令。借助大量后门程序功能，攻击者可以执行其他活动，例如凭据盗窃、渐进式特权提升和横向移动。





隔离和调查设备



[Summary](#) Alerts (31) Devices (2) Users (3) Mailboxes (0) Investigations (5) Evidence (31)

Alerts and categories

31/31 active alerts
5 MITRE ATT&CK tactics
2 other alert categories



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- Dec 22, 2020, 1:52:20 AM | New
A WMI event filter was bound to a suspicious event consumer on desktop-3u4jij1
- Dec 22, 2020, 11:08:57 AM | New
Process launched with the security context of another user on win-9njrns9ohht by user mind0xp
- Dec 22, 2020, 11:07:49 AM | New
Suspicious file deletion activity was observed on win-9njrns9ohht by user mind0xp
- Dec 22, 2020, 11:08:00 AM | New
Scheduled task possibly hijacked on win-9njrns9ohht by user mind0xp
- Dec 22, 2020, 11:08:00 AM | New
Suspicious remote activity on win-9njrns9ohht by user mind0xp, and more.
- Dec 22, 2020, 11:58:50 AM | New
Suspicious file creation initiated remotely on win-9njrns9ohht by user mind0xp
- Dec 22, 2020, 12:48:39 PM | New
Abnormal remote scheduled task modification on win-9njrns9ohht by user, and more.
- Dec 22, 2020, 12:48:39 PM | New
Suspicious file creation initiated remotely on win-9njrns9ohht by user

Scope

2 impacted devices
3 impacted users

Top impacted entities

Entity type	Risk level/investigation priority	Tags
Device	High	
Device	High	
User	No data available	
User	No data available	
User	No data available	

[View entities](#)

Evidence

31 entities found

[View all entities](#)

Incident Information

This incident might be associated with...

Associated incidents

Incident ID	Reason	Entity
24851	Same file	sqtkelpene
24576	Same file	legit_payl..
24576	Same file	pay/buiddl

Tags summary

Incident tags

Data sensitivity

Device groups

User groups

Incident details

Status

Active

Severity

High

Incident ID

24963

First activity

First - Dec 22, 2020, 1:52:20 AM

Last activity

Last - Dec 22, 2020, 7:09:58 PM

Classification

(Not set)

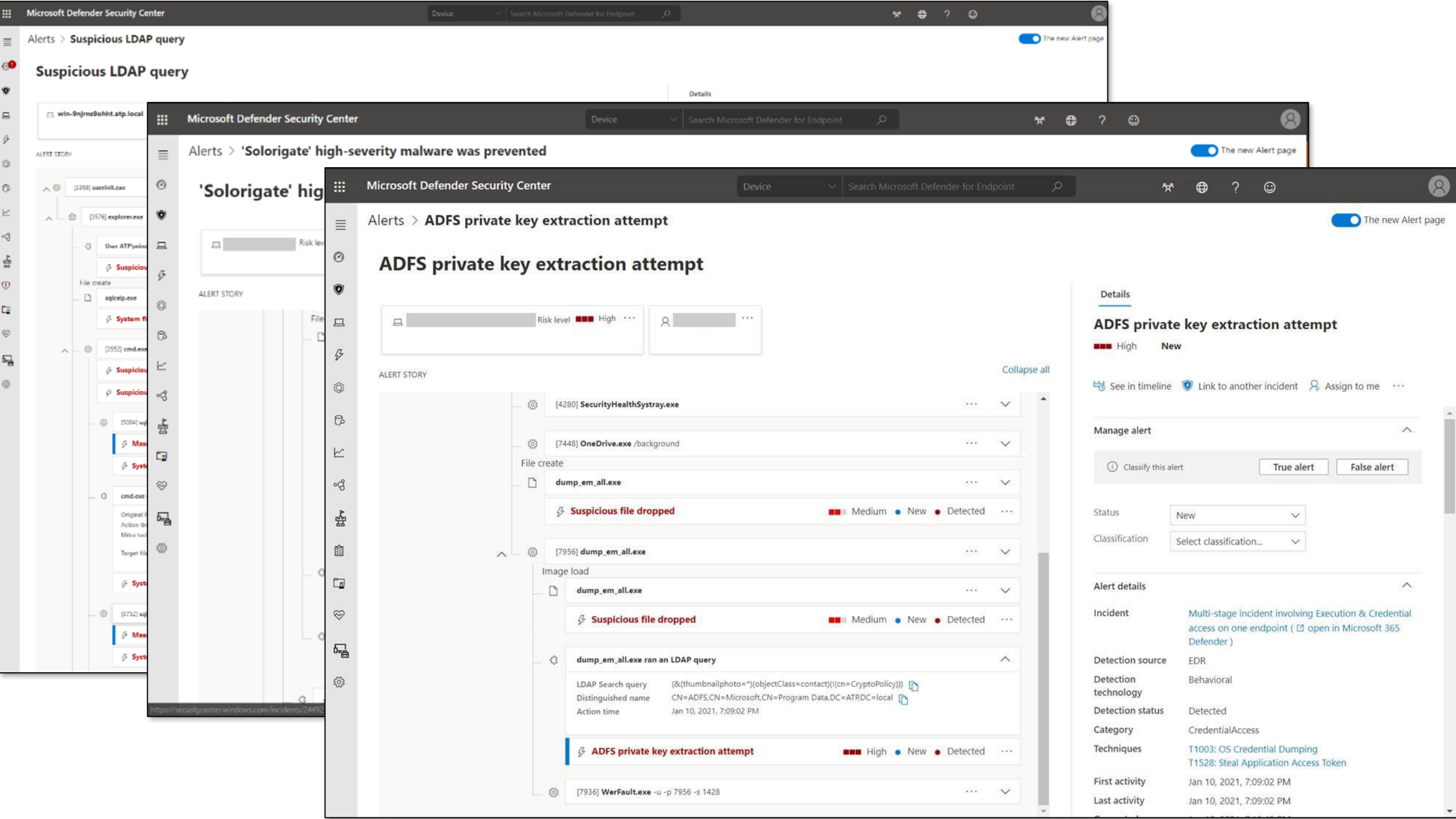
Determination

Not set

Assigned to

Unassigned

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☰

Threats > Solorigate supply chain attack

🔍

Overview

Analyst report

Mitigations

🛡️

Microsoft security researchers recently discovered a sophisticated attack where an adversary inserted malicious code into a supply chain development process. A malicious software class was included among many other legitimate classes and then signed with a legitimate certificate. The resulting binary included a backdoor and was then discreetly distributed into targeted organizations. This attack was discovered as part of an ongoing investigation.

Cybercriminals target supply chains and look for weaknesses they can exploit to discreetly enter another target environment. In this case, attackers targeted the SolarWinds Orion Platform to infiltrate the supply chain that helps businesses manage networks, systems, and information technology infrastructure. This attack leveraged the trust associated with the supplier and certificate to insert targeted code to use in a larger campaign.

Based on research, this attack represents nation-state activity at significant scale, aimed at both the government and private sector. The actor is known to be focused on high value targets such as government agencies and cybersecurity companies.

Microsoft Defender for Endpoint detects this attack. It raises an alert when it detects the threat on your device; however, to avoid adverse impact on legitimate services Microsoft Defender for Endpoint will not automatically remediate it.

Microsoft Defender Antivirus protects against this threat. It blocks the known malicious SolarWinds binaries associated with this threat on your device.

🔗

[Read the full analyst report](#)



[View mitigation details](#)



[View mitigation details](#)

Solorigate 视频系列

后续步骤

01. 在此位置观看 Solorigate 视频系列
02. 请访问 Microsoft 安全以获取更多更新：
www.microsoft.com/zh-cn/security/business
03. 阅读博客文章：
www.microsoft.com/security/blog

<https://aka.ms/solorigate>

