



Microsoft Defender para Ponto de Extremidade

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Windows Defender

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Visão geral sobre o Solorigate

Como o Microsoft Defender para Ponto de Extremidade pode ajudar

- 01.** O método chamado Início
- 02.** Acesso de backdoor e elevação de privilégio
- 03.** Acesso de backdoor e payloads de segundo estágio
- 04.** Etapas para interromper a disseminação com pontos de extremidade
- 05.** Etapas para interromper a disseminação com redes
- 06.** Busca e relatório de análise de ameaças

```
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

Fluxo de execução regular

SolarWinds.Orion.Core.BusinessLayer.CoreBusinessLayerPlugin

Start ()

ScheduleBackgroundInventory ()

SolarWinds.Orion.Core.BusinessLayer.BackgroundInventory.InventoryManager

Start ()

Refresh ()

RefreshInternal ()

BackgroundInventory.Start ()

Adição mal-intencionada

OrionImprovementBusinessLayer

Initialize ()



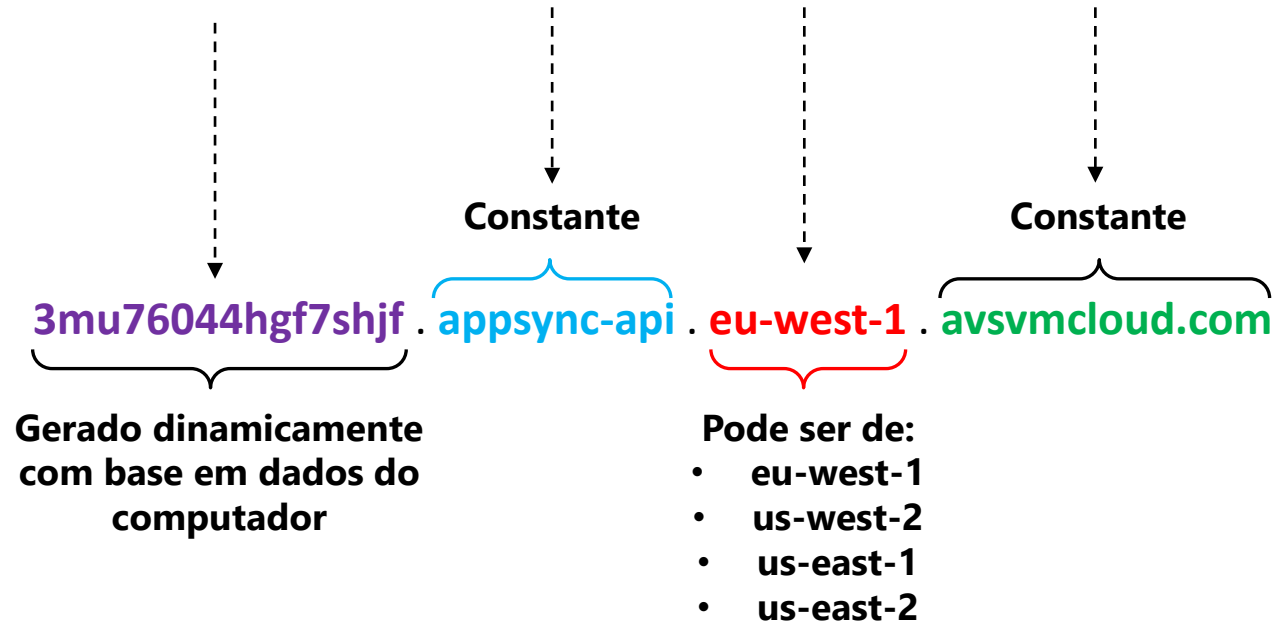
MITRE T1195.002

**Comprometimento da cadeia
de suprimento:**

comprometer a cadeia de suprimento
de software

Exemplo de domínio gerado:

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



ATAQUE À CADEIA DE SUPRIMENTO

Os invasores inserem código mal-intencionado em um componente DLL de um software legítimo. A DLL comprometida é distribuída às organizações que usam esse software.

EXECUÇÃO, PERSISTÊNCIA

Quando o software é iniciado, a DLL comprometida é carregada, e o código mal-intencionado inserido chama a função que contém as funcionalidades de backdoor.

EVASÃO DE DEFESA

O backdoor tem uma longa lista de verificações para confirmar que está sendo executado em uma rede comprometida de fato.

RECONHECIMENTO

O backdoor coleta informações do sistema

C2 INICIAL

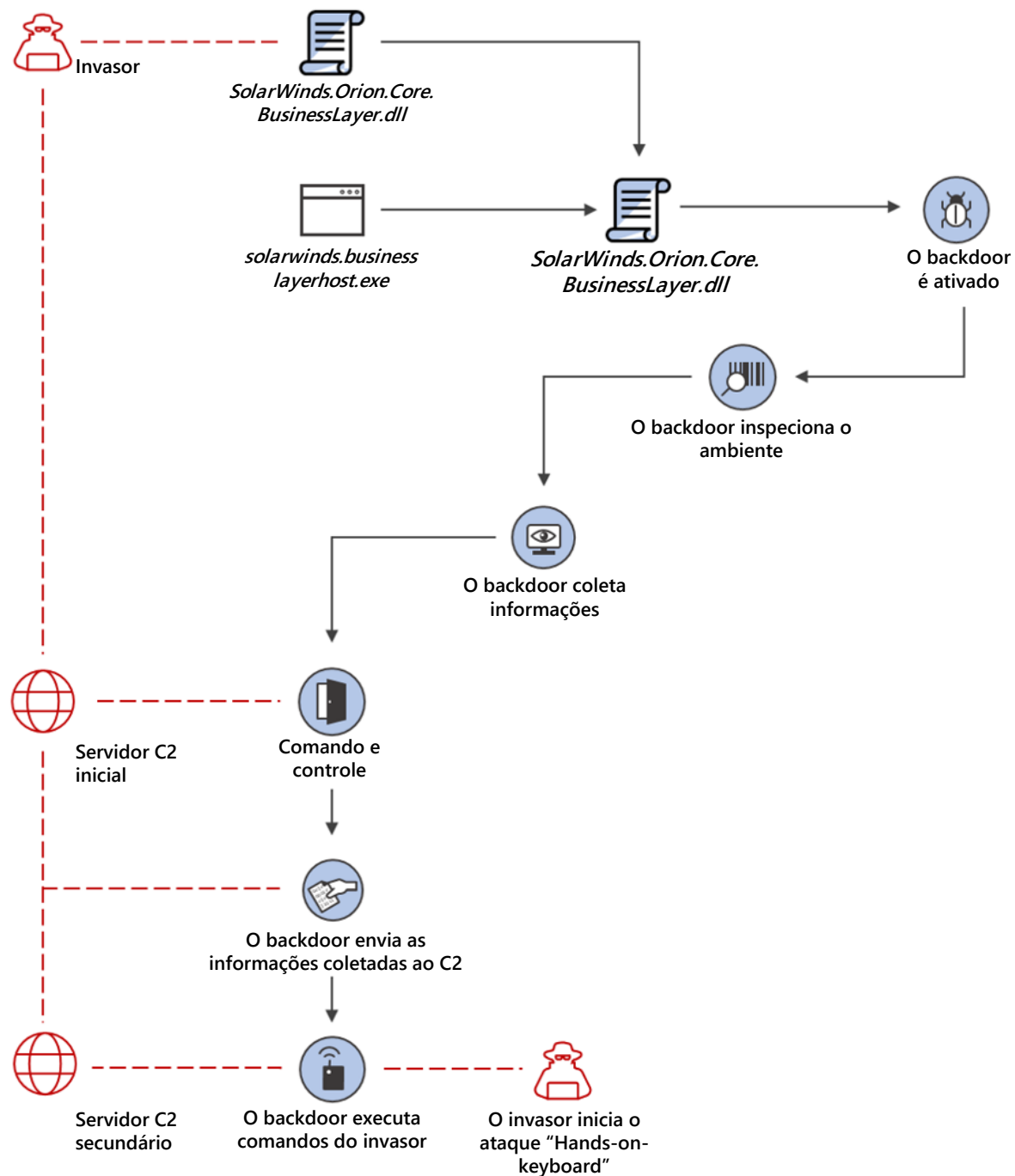
O backdoor se conecta a um servidor de comando e controle. O domínio ao qual ele se conecta se baseia, em parte, nas informações coletadas do sistema, tornando cada subdomínio único. O backdoor pode receber um endereço adicional de C2 para se conectar.

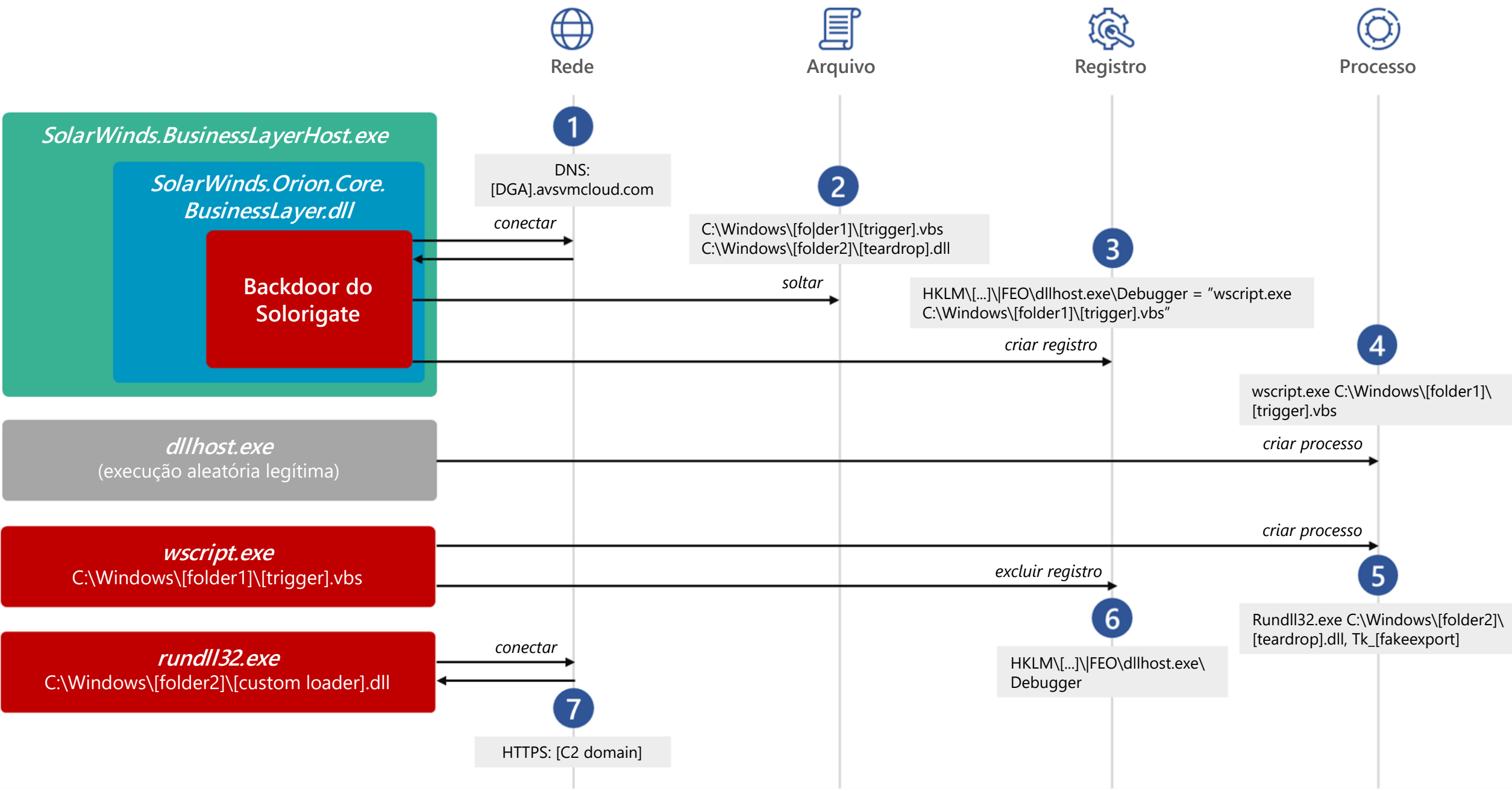
EXFILTRAÇÃO

O backdoor envia as informações coletadas ao invasor.

ATAQUE "HANDS-ON-KEYBOARD"

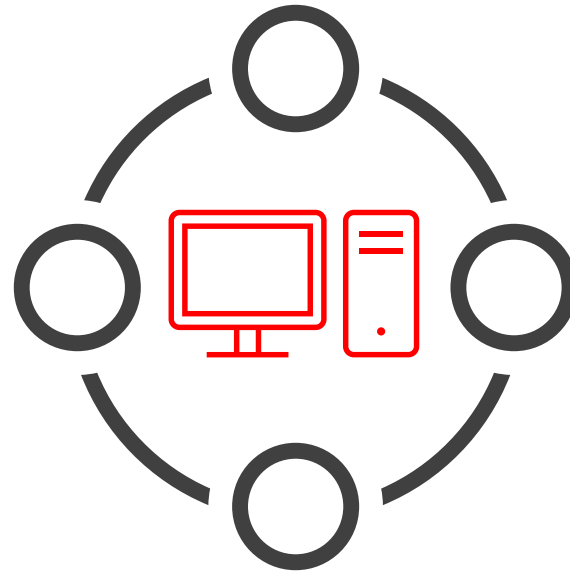
O backdoor executa comandos recebidos dos invasores. O vasto leque de funcionalidades do backdoor permite que os invasores realizem atividades adicionais, como roubo de credencial, elevação progressiva de privilégios e movimentação lateral.





Isolar e investigar dispositivos

Investigar a linha do tempo em busca de movimentos laterais



Identificar contas

Investigar a origem do comprometimento

[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, 11:37:49 AM | New
Suspicious file deletion activity was observed on win-9njrns9ohht by user mind0xp
- Dec 22, 2020, 11:58:00 AM | New
Scheduled task possibly hijacked on win-9njrns9ohht by user mind0xp
- Dec 22, 2020, 11:58:50 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	eqkxkpsene
24576	Same file	legit_payf...
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)

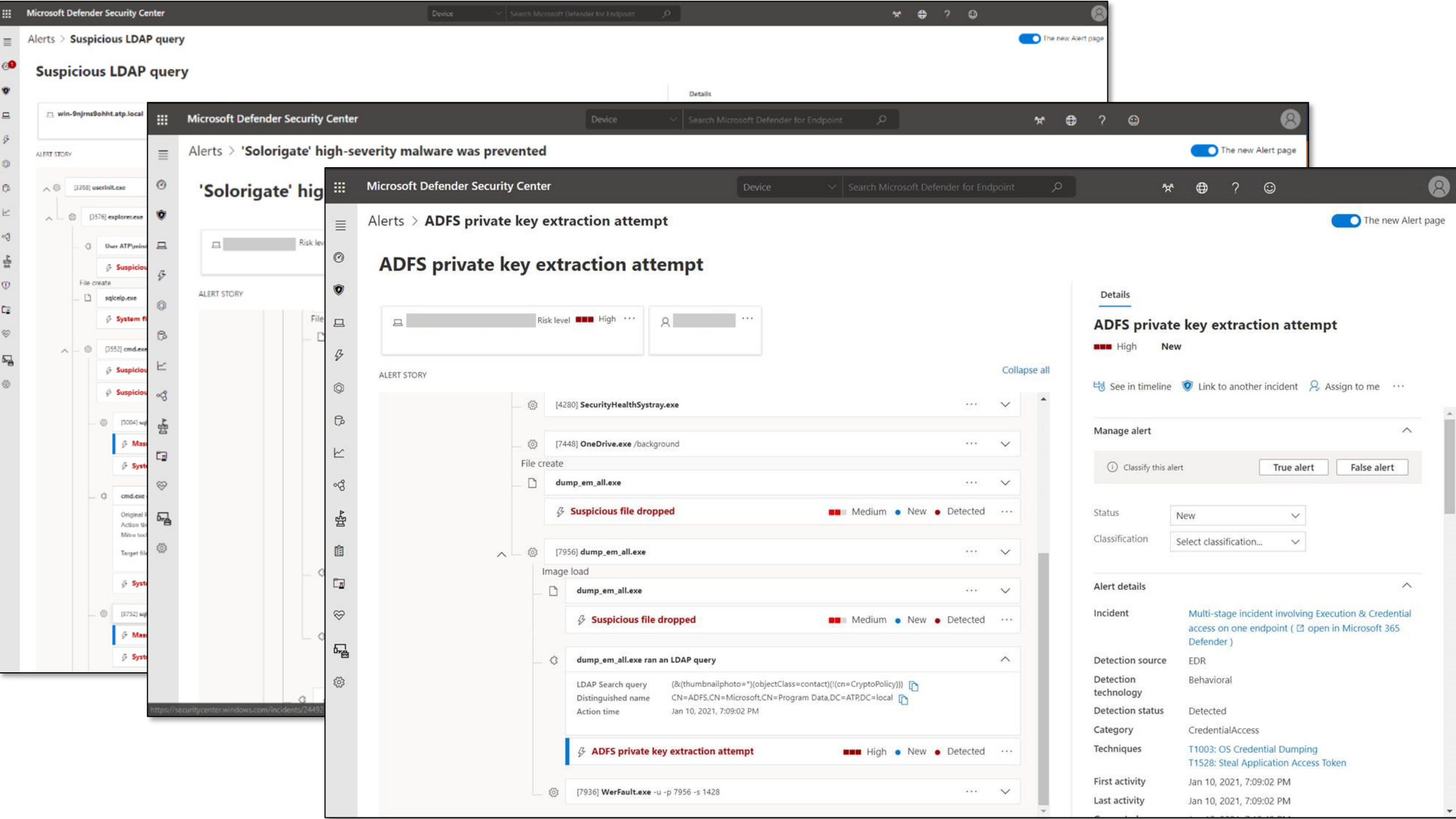
Determination

Not set

Assigned to

Unassigned

[Give feedback](#)



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](#)

Devices with alerts over time ⓘ



Secure configuration status ⓘ

1.41k misconfigured devices



[View mitigation details](#)

Devices with alerts

0 devices with active alerts



Vulnerability patching status ⓘ

0 vulnerable devices



[View mitigation details](#)

Série de vídeos sobre o Solorigate

Próximas Etapas

- 01.** Assista à série de vídeos sobre o Solorigate neste local
- 02.** Confira mais atualizações na Segurança da Microsoft:
www.microsoft.com/pt-br/security/business
- 03.** Leia as postagens no blog em:
www.microsoft.com/security/blog

<https://aka.ms/solorigate>

