



SANGFOR



NGAF

Pedoman terbaik untuk Skenario_Integrated Coorelation & Response dengan Endpoint Secure

Versi 8.0.17



Perubahan Data

| Tanggal | Keterangan Perubahan |
|---------------|-----------------------------|
| June 09, 2020 | Versi 8.0.17 rilis dokumen. |
| Mar 18, 2021 | Pembaruan Dokumen. |
| May 17, 2021 | Pembaruan Dokumen. |

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BAB 1 Keterangan Fungsi

ES dapat terkoneksi dengan NGAF untuk proteksi PC pengguna melawan virus.

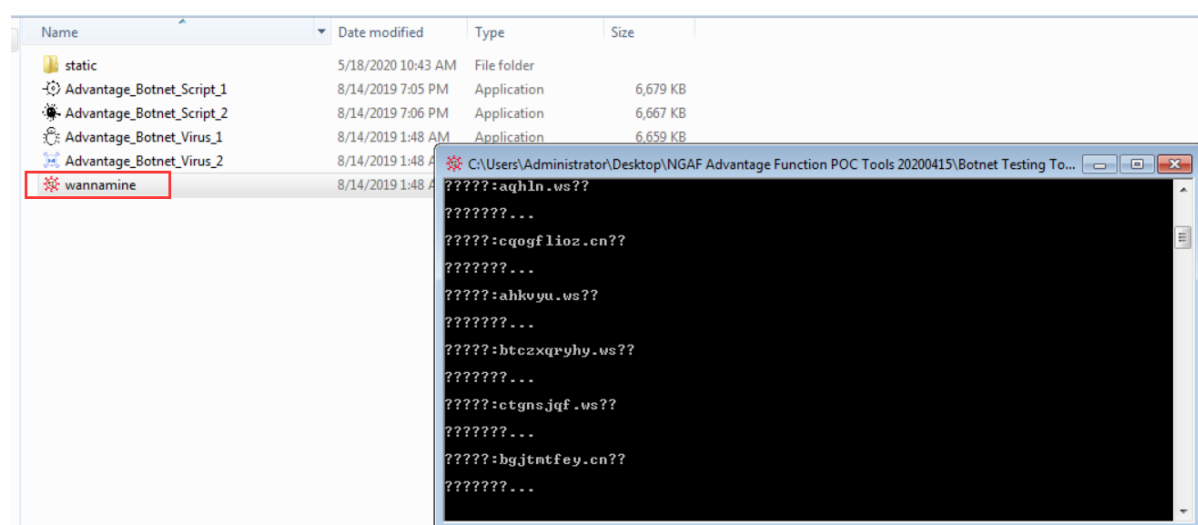
BAB 2 Rekomendasi Pedoman

2.1 Skenario:

Pada perusahaan besar IT mengalami ancaman keamanan internal dan eksternal sejak lama. setelah membeli NGAF dan ES Sangfor secara bersama diharapkan dapat melawan ancaman keamanan tersebut.

2.2 Test Tools

1. Untuk menguji Botnet, anda dapat menggunakan **SANGFOR_NGAF_v8.0.17_Best Practice_Integrated Coorelation & Response with Endpoint Secure.7z**, cari di PMO. Jalankan wannamine.exe di PC, wannamine.exe akan mencoba menggunakan DNS untuk mencari URL dari Botnet, tetapi sebenarnya tidak akan mengakses URL dari Botnet...



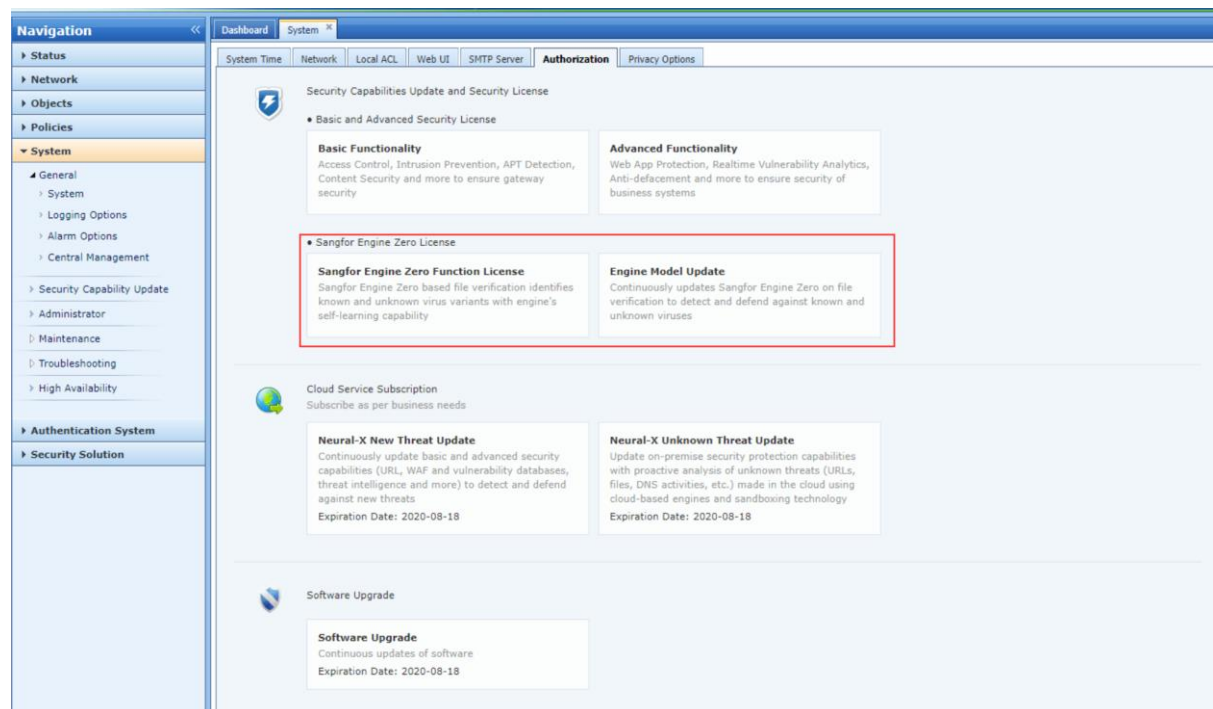
2. Ketika anda menjalankan program, mungkin akan terjadi kesalahan terkait api-ms-win-crt-runtime-l1-1-0.dll, Jadi disarankan untuk mengunduh **Visual C++ Redistributable Runtimes All-in-One** dan menginstall semua yang berkaitan dengan Visual C runtime libraries.

Catatan: Sistem Operasi yang berbeda akan muncul kesalahan yang berbeda. Anda dapat mencari solusi tersebut di Internet, akan tetapi biasanya kasus kesalahan tersebut adalah file Visual C Runtimes yang hilang.

BAB 3 Konfigurasi

Integrated Correlation & Response with Endpoint Secure

1. Periksa apakah NGAF diperbolehkan.



2. Pastikan telah diperbaharui sampai yang terbaru.

| No. | Database | Current Version | Latest Version | Update Svc Expi... | Auto Update | Operation |
|----------------------------------|--|---------------------|---------------------|--------------------|-------------|----------------------------|
| Neural-X Unknown Threat Database | | | | | | |
| 1 | Unknown Threat Intelligence | 2020-06-12 08:02:34 | 2020-06-12 08:02:34 | 2020-08-18 | ✓ | Update Interval: 5 minutes |
| File Verification Model Database | | | | | | |
| 2 | Sangfor Engine Zero File Verification Model Database | 2020-03-02 11:00:00 | 2020-03-02 11:00:00 | 2020-08-18 | ✓ | Update Interval: 1 month |
| Neural-X New Threat Databases | | | | | | |
| 3 | URL Database | 2020-05-07 15:21:46 | 2020-05-07 15:21:46 | 2020-08-18 | ✓ | Update Interval: 14 days |
| 4 | Exploit Protection Database | 2020-06-04 15:00:00 | 2020-06-04 15:00:00 | 2020-08-18 | ✓ | |
| 5 | Application Ident Database | 2020-05-09 11:55:59 | 2020-05-09 11:55:59 | 2020-08-18 | ✓ | |
| 6 | WAF Signature Database | 2020-05-30 15:00:00 | 2020-05-30 15:00:00 | 2020-08-18 | ✓ | |
| 7 | Data Leak Protection | 2018-02-16 18:00:00 | 2018-02-16 18:00:00 | 2020-08-18 | ✓ | |
| 8 | Vulnerability Analysis Rule | 2020-06-01 17:00:00 | 2020-06-01 17:00:00 | 2020-08-18 | ✓ | |
| 9 | Anti-Virus Database | 2020-05-18 13:03:44 | 2020-05-18 13:03:44 | 2020-08-18 | ✓ | |
| 10 | Security Events | 2020-05-18 09:00:00 | 2020-05-18 09:00:00 | 2020-08-18 | ✓ | |
| Basic Databases | | | | | | |
| 11 | Software Update | -- | ymsj_sp | Never expire | ✓ | |
| 12 | IP Address Database | 2020-05-19 10:00:00 | 2020-05-19 10:00:00 | Never expire | ✓ | |
| 13 | Threat Intelligence Database | 2020-06-03 00:00:00 | 2020-06-03 00:00:00 | Never expire | ✓ | |

3. Konfigurasi untuk menghubungkan NGAF dan ES, anda hanya perlu mengisi IP dari ES.

Integrated Correlation & Response with Endpoint Secure

The image displays two screenshots of the Sangfor Endpoint Secure Correlation interface, illustrating the integration and configuration process.

Top Screenshot: Endpoint Secure Integration Protection

The main dashboard features a diagram illustrating the correlation process:

- External Threats** (represented by red arrows) feed into **Correlation and Analysis** (AF).
- Comprehensive Protection** and **Rapid Response** are shown as key capabilities.
- Accurate Detection** and **Correlated action** are central to the process.
- Network Intrusions** (Malicious URLs, Network attacks, Other suspicious activities across network) and **Suspicious Activities** (Suspicious URLs, Suspicious IP addresses, Other suspicious activities) are monitored.
- Endpoint Detection and Response** is shown at the bottom, with icons for Windows and Linux systems.

The right sidebar contains the **Endpoint** section, which includes:

- Endpoint Secure Integration Protection** description: Sangfor Endpoint Secure, integrated with AI-based Sangfor Engine Zero, behavioral engine, cloud-based engine and reputation database, when coordinating with Sangfor NGAF, SIP and IAM, provides a comprehensive, highly coordinated and automated platform featuring continuous detection, rapid response to threats and effective multi-layer protection.
- Go To Official Site** button.
- Logging In and Correlation to Endpoint Secure** section with **How to Subscribe?** and **How to Connect?** links.
- Connection Method**: ☒ Endpoint Secure on Premise, ☐ Endpoint Secure in Cloud.
- Endpoint Secure Server IP**: (highlighted with a red box).
- Connect** button.
- Highlights** section with three items:
 - Artificial Intelligence, Accurate Identification**: Integrate Sangfor Engine Zero applying AI techniques to identify different patterns of ransomware.
 - Correlated & Responsive Remediation**: Correlate to Sangfor NGAF, SIP, IAM and Neural-X to form a comprehensive defense system covering cloud environment, network and endpoints.
 - Multi-layered Detection, Comprehensive Protection**: Offer more comprehensive and accurate detection with multi-layered detection techniques like AI engine, behavioral engine and cloud-based engine.

Bottom Screenshot: Endpoint Secure Integration Protection

The main dashboard is identical to the top screenshot. The right sidebar shows the **Endpoint** section with the configuration window closed, displaying service details and highlights.

Service Details

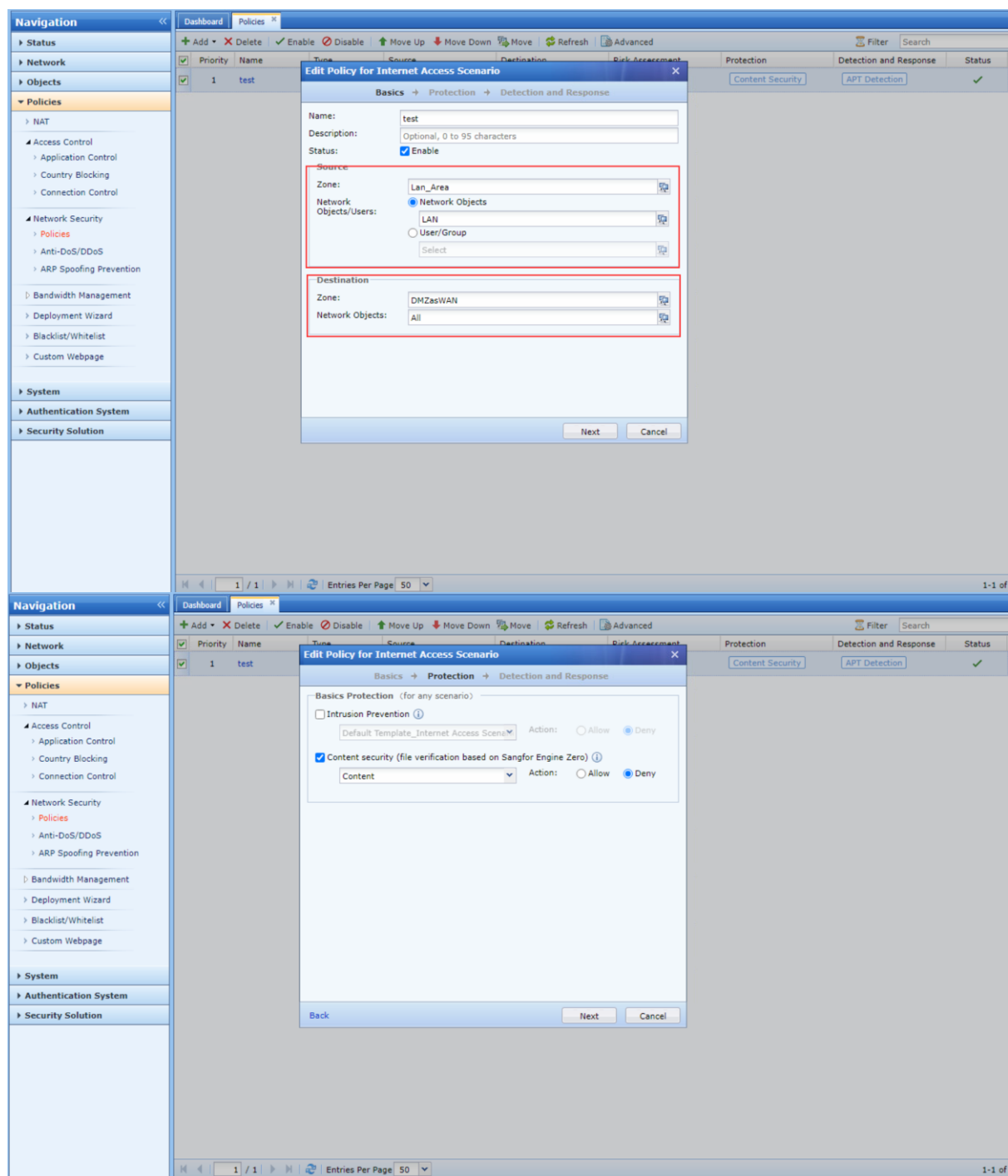
| | |
|----------------------------|---------------|
| Status: | Online |
| Running For: | 25 days |
| Endpoint Secure Server IP: | 192.168.1.100 |
| Connected Endpoints: | 2 |
| Correlated Actions: | 0 |

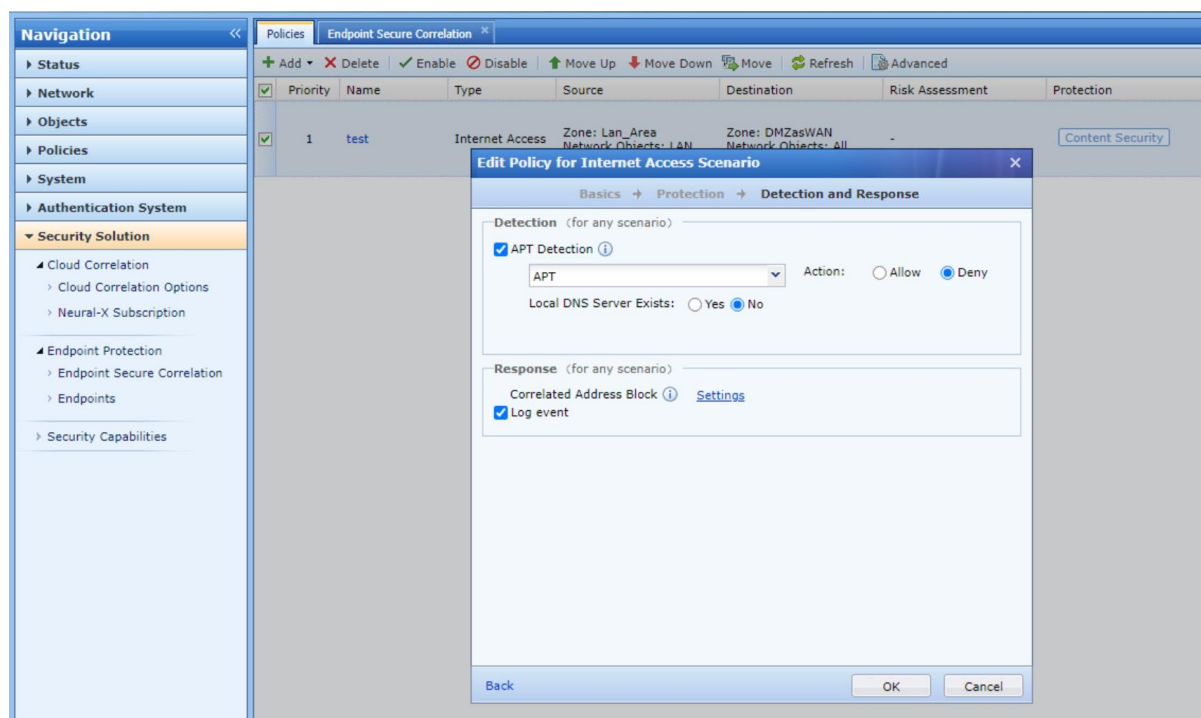
Highlights

- Artificial Intelligence, Accurate Identification**: Integrate Sangfor Engine Zero applying AI techniques to identify different patterns of ransomware.
- Correlated & Responsive Remediation**: Correlate to Sangfor NGAF, SIP, IAM and Neural-X to form a comprehensive defense system covering cloud environment, network and endpoints.
- Multi-layered Detection, Comprehensive Protection**: Offer more comprehensive and accurate detection with multi-layered detection techniques like AI engine, behavioral engine and cloud-based engine.

4. Konfigurasi Security policy dan anda harus memilih sumber dan tujuan yang benar, atau policy tidak akan berfungsi.

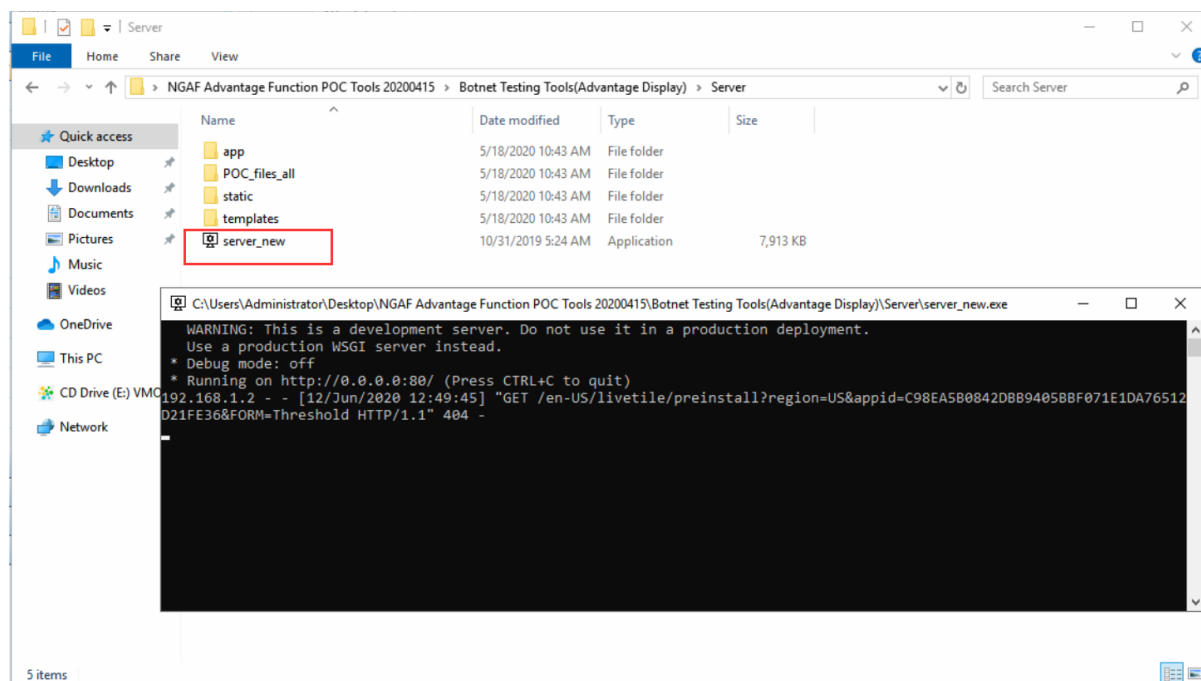
Integrated Correlation & Response with Endpoint Secure





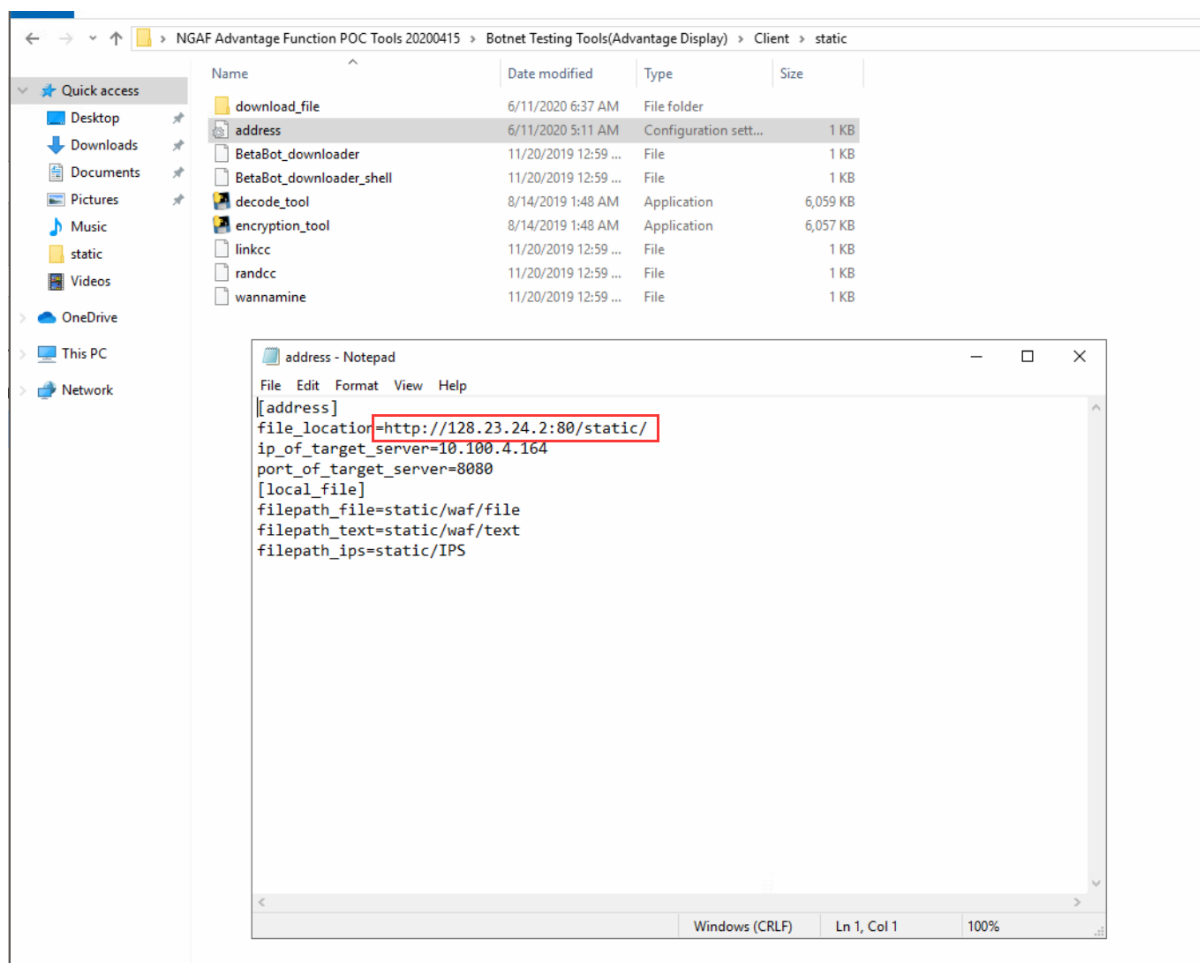
1. Penyerang menjebak pengguna LAN untuk memasukkan perangkat USB yang tidak dikenal, sehingga memicu virus worm [wannamine.exe] dan AF memblokir kerja yang mengirimkan trafik keluar menuju ke alamat domain yang berbahaya.

Jalankan Server_new.exe pada PC Server:

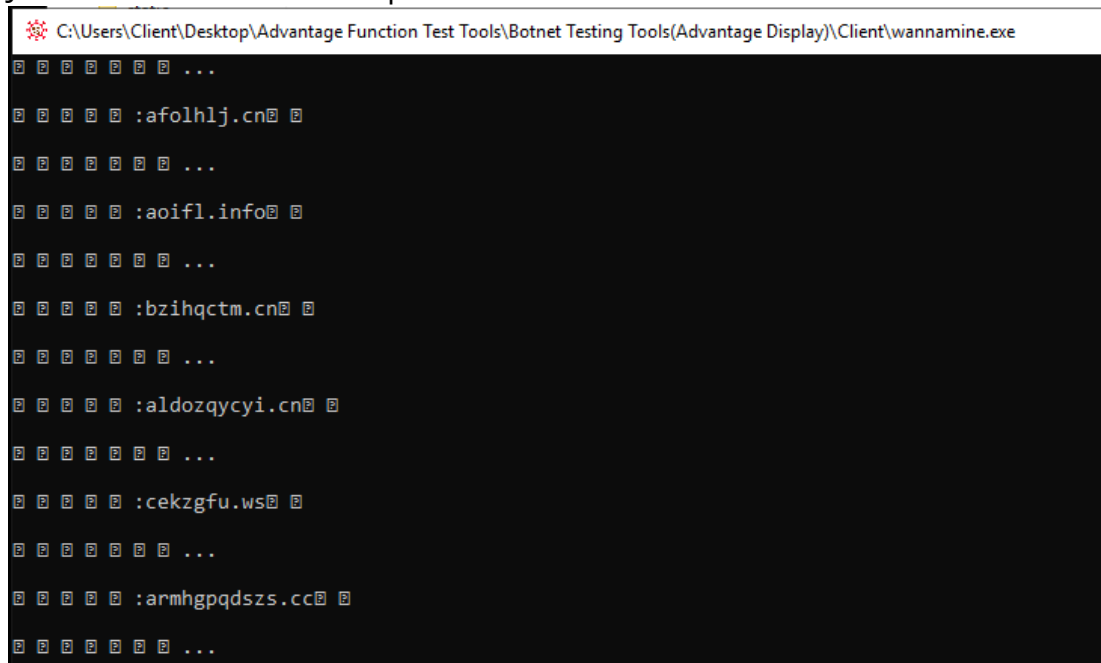


Konfigurasi alamat dari program klien, seting IP dari PC server dalam file:

Integrated Correlation & Response with Endpoint Secure

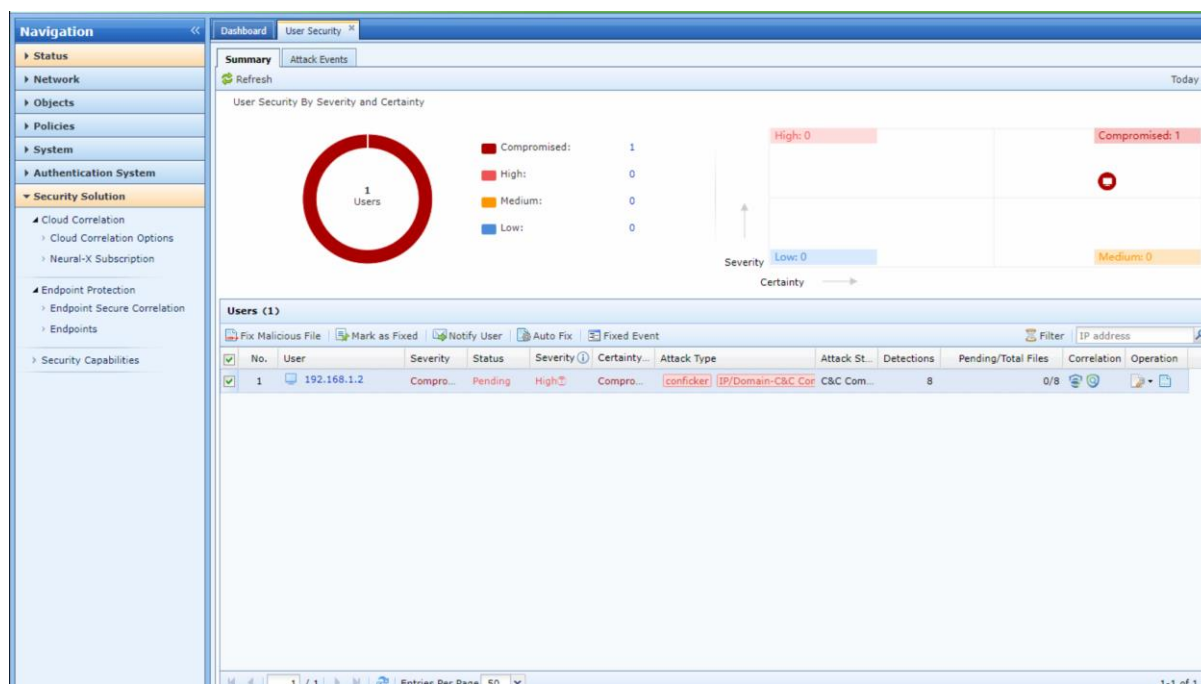


Jalankan wannamine.exe pada PC clien:

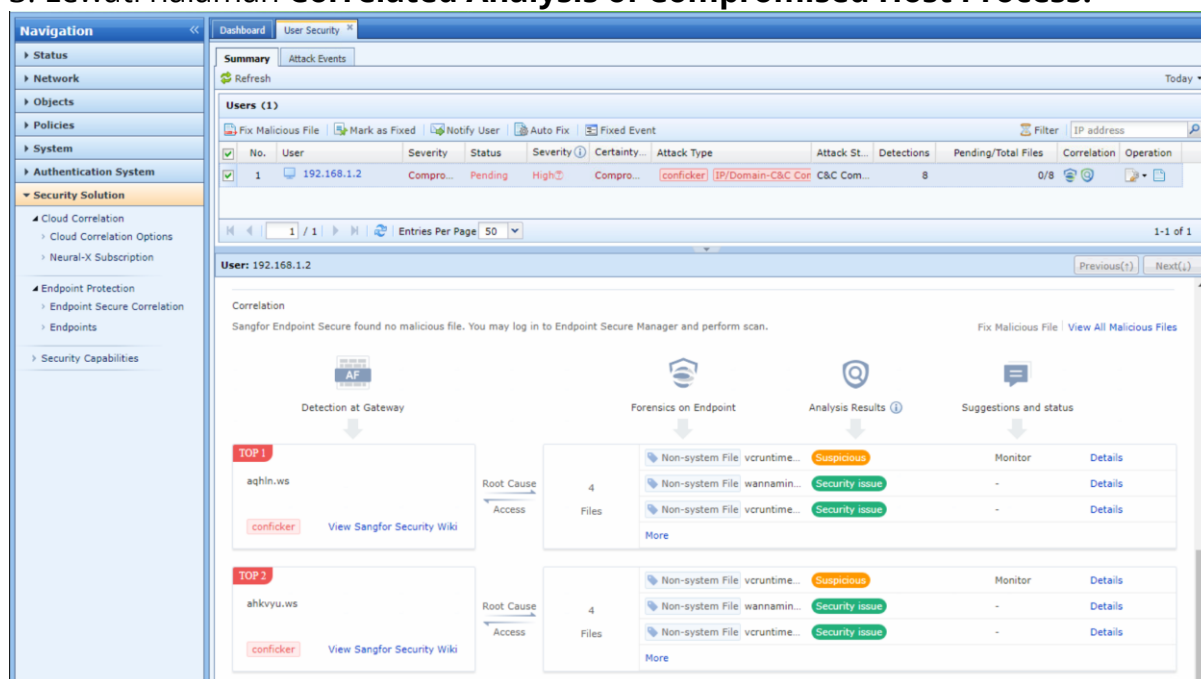


2. Lihat bukti kejadian host yang disusupi pada halaman **User Security**.

Integrated Correlation & Response with Endpoint Secure

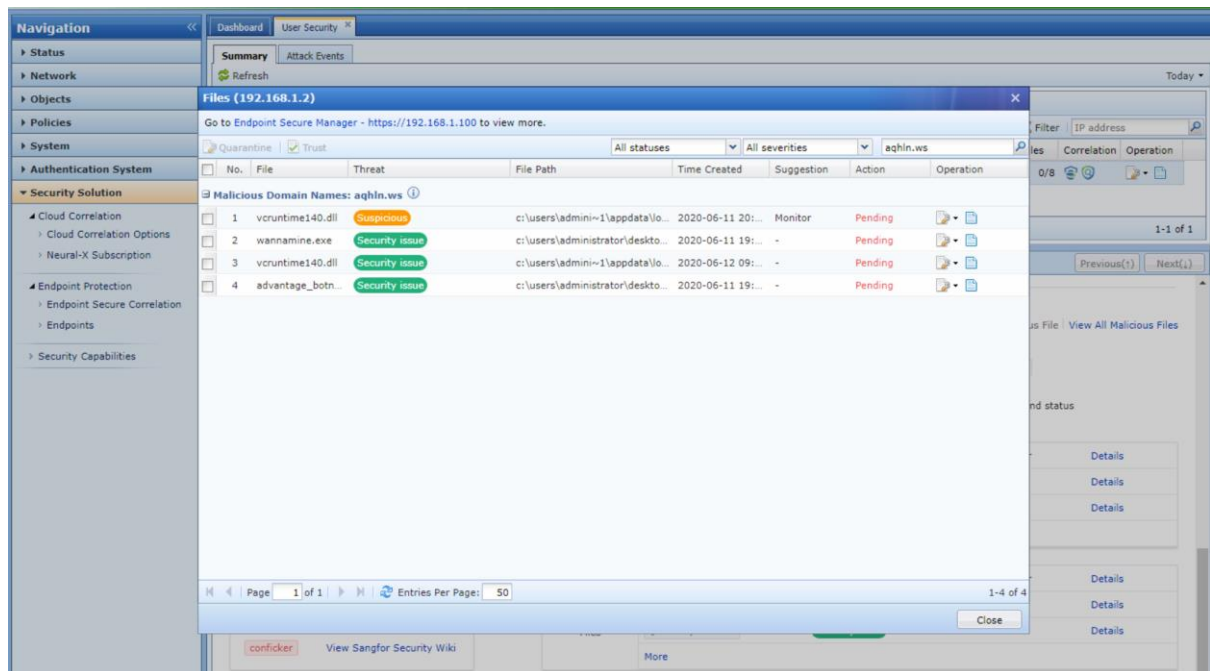


3. Lewati halaman **Correlated Analysis of Compromised Host Process.**

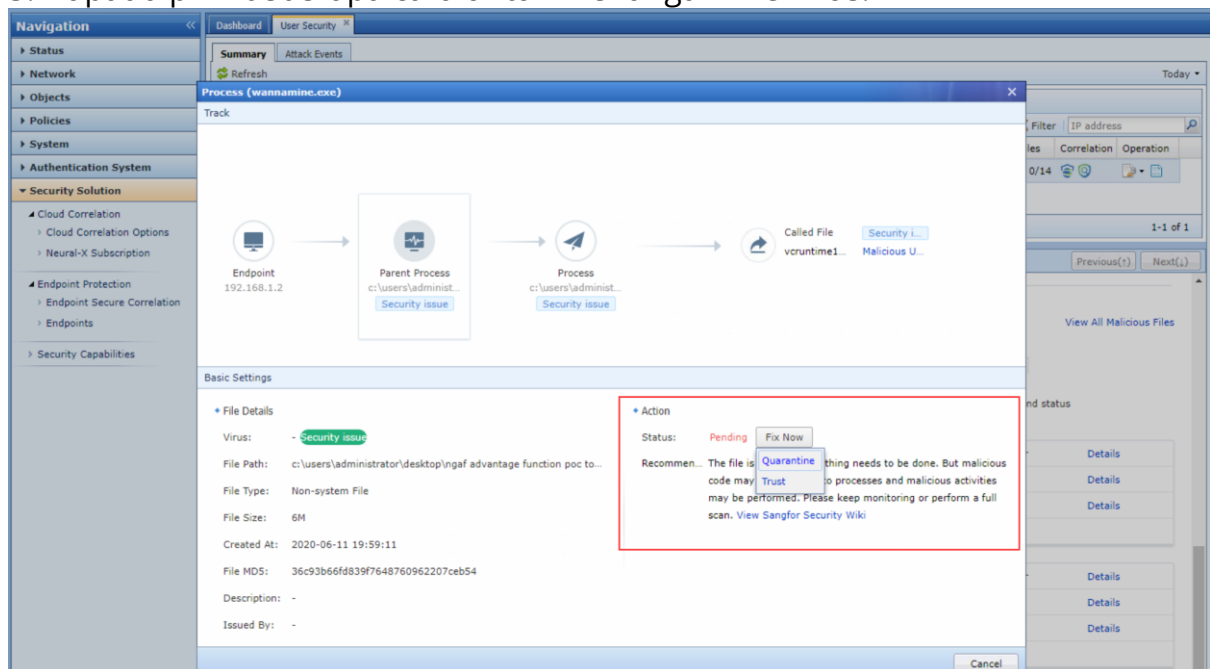


4. Cari proses trafik keluar tertentu yang menangani inisiasi file tersebut.

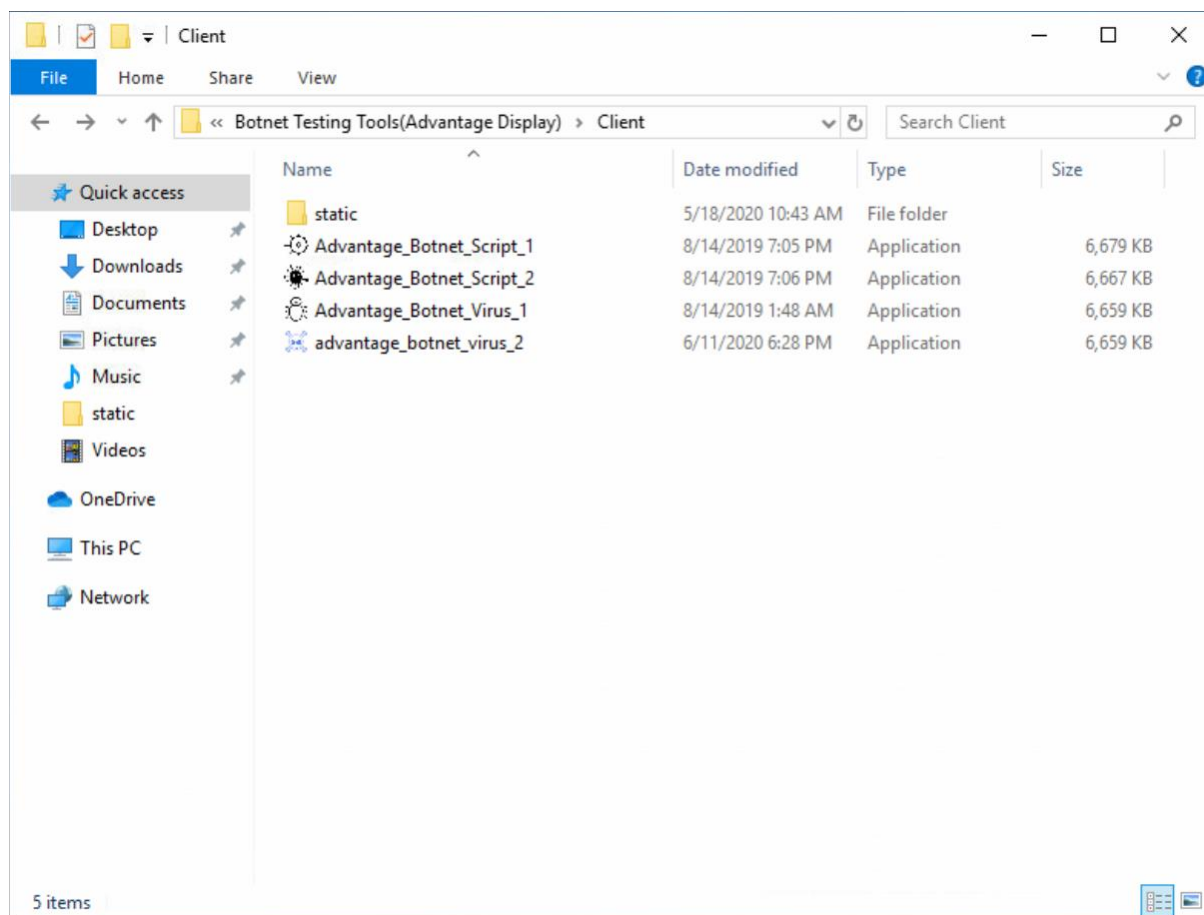
Integrated Correlation & Response with Endpoint Secure



5. Dapat dipilih beberapa cara untuk menangani file virus.

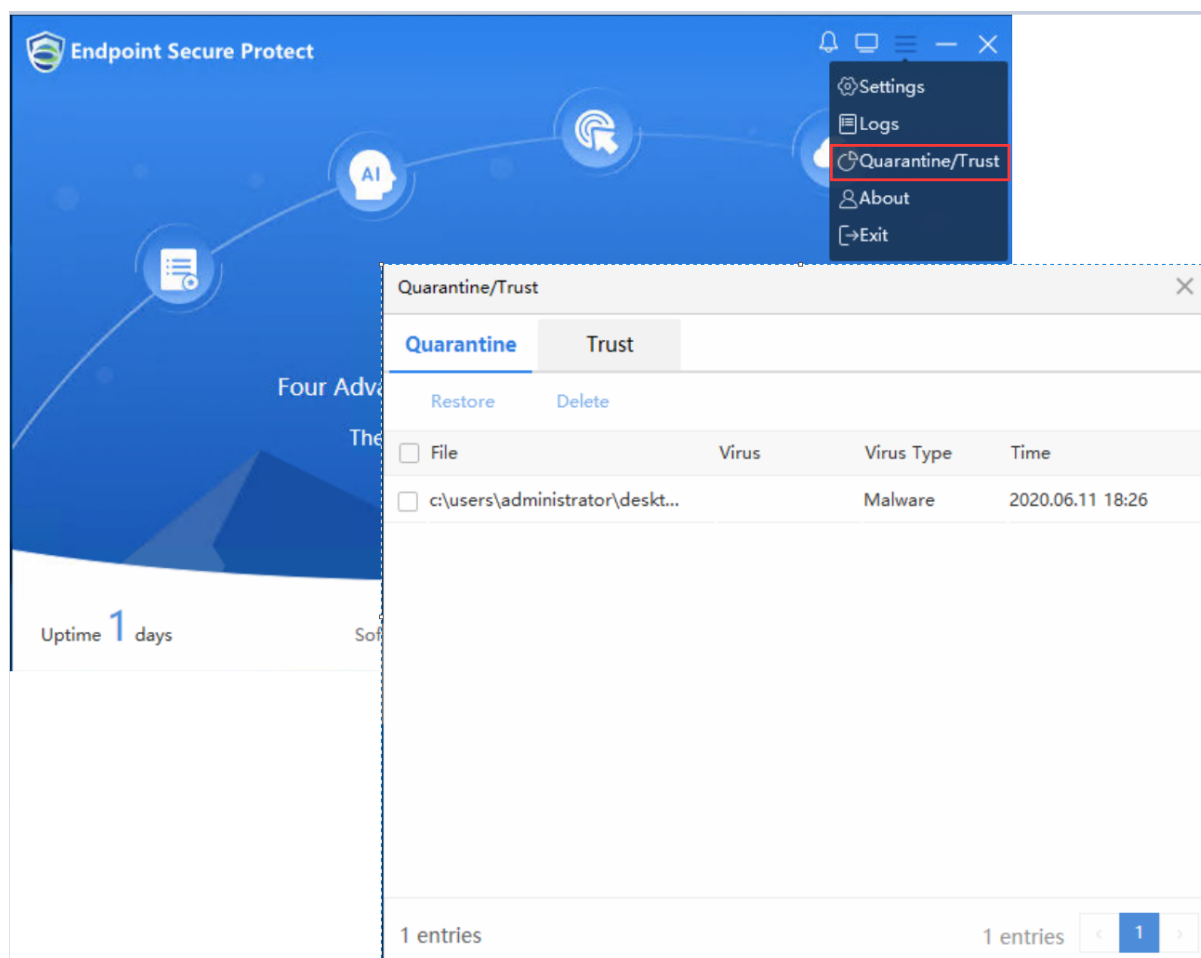


6. Ketika virus worm pada klien telah dibersihkan, virus worm [wannamine.ext] akan bersih.

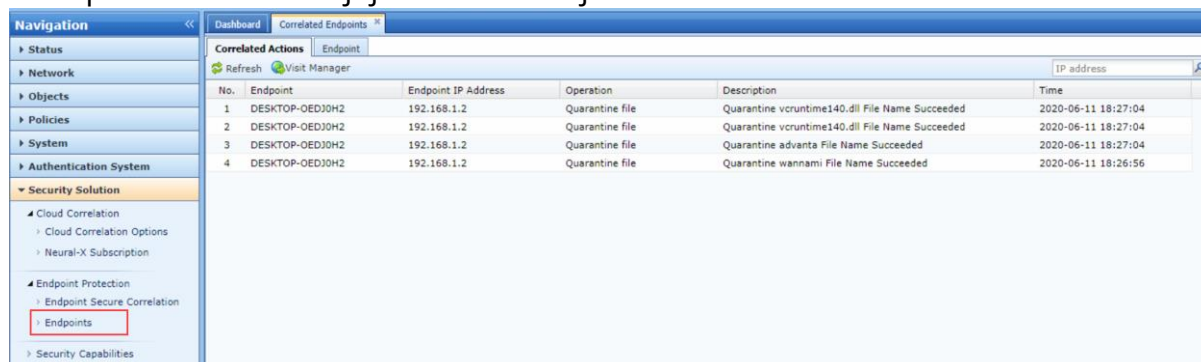


Anda dapat menemukan bahwa ES telah mengkarantina file virus tersebut.

Integrated Correlation & Response with Endpoint Secure



7. Dapat di cari rekam jejak kebiasaan jahat.





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