

adaptTo()

EUROPE'S LEADING AEM DEVELOPER CONFERENCE

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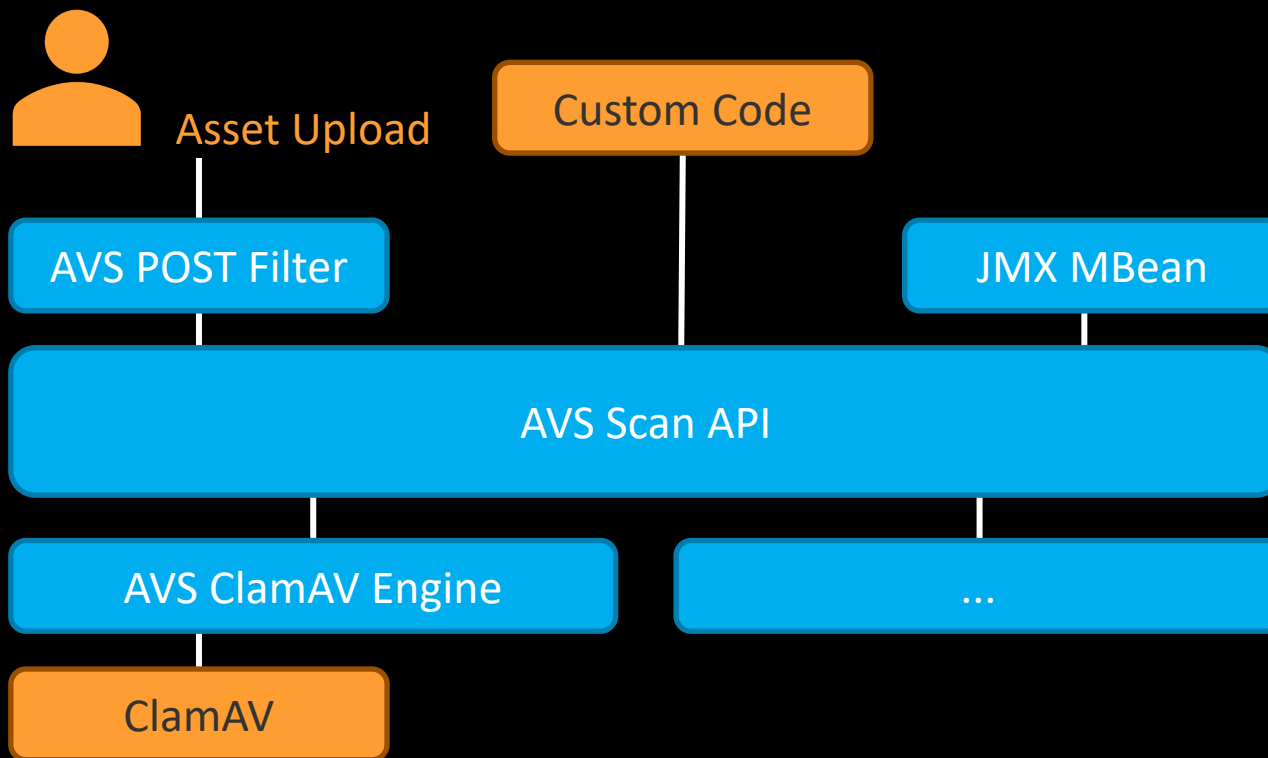
AEM Virus Scan

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Features

- Scan e.g. DAM asset uploads
- API to integrate in custom code
- ClamAV support included
- API to support additional scan engines
- History of alerts
- Manual scan from AEM tools menu



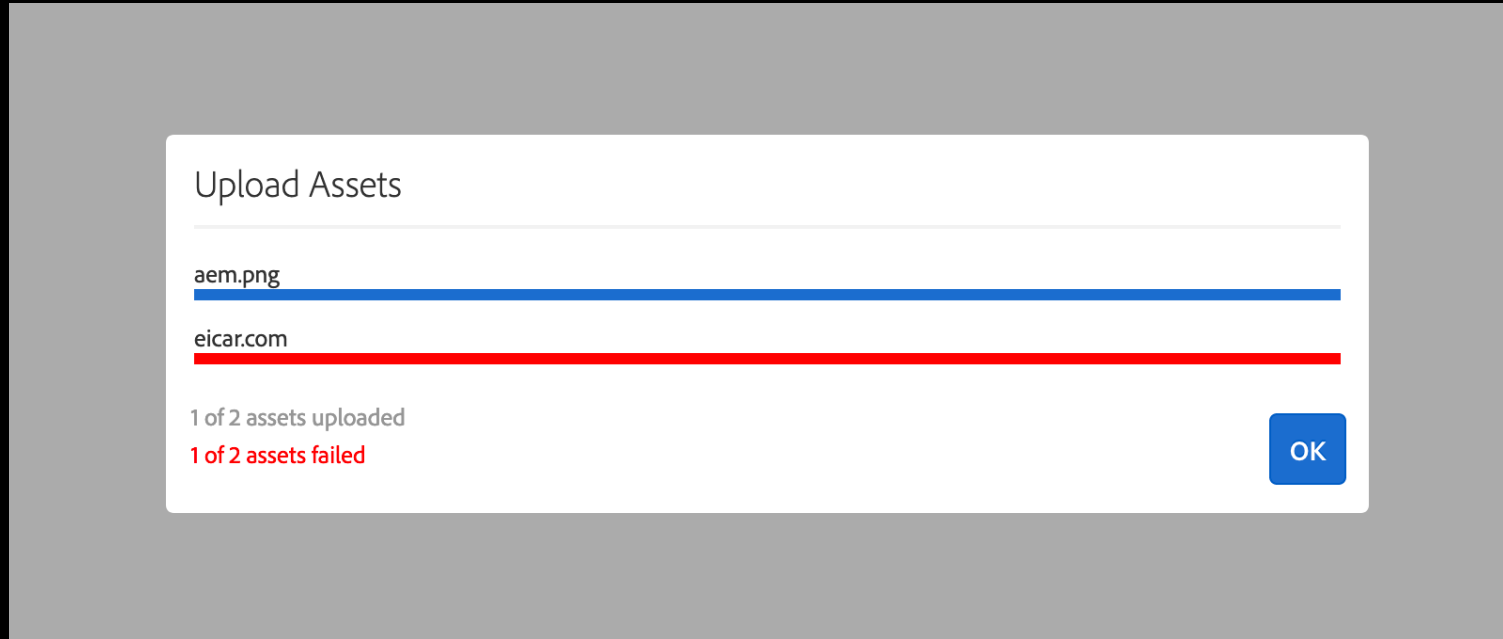


- Supports include/exclude URL patterns
- Email notification to uploader
 - Text/Html format
 - Wildcards for file name and scan output

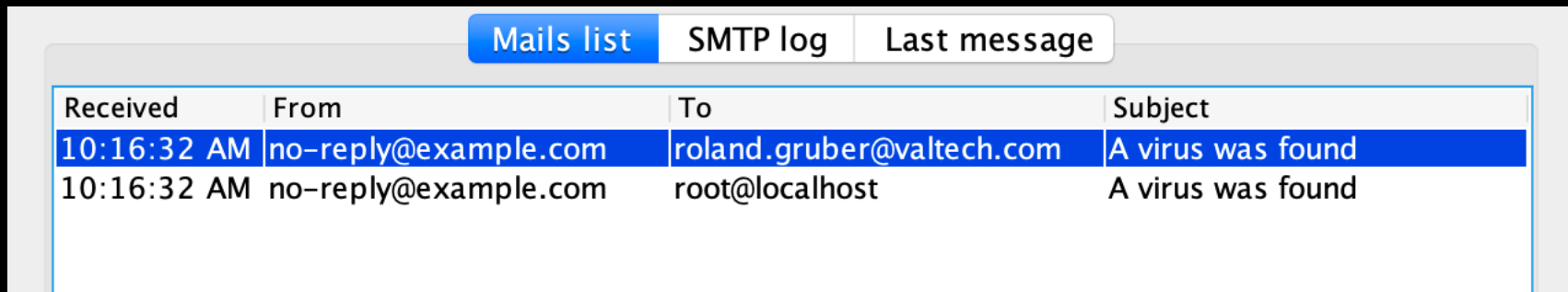


Live Demo

- Malware is blocked on asset upload



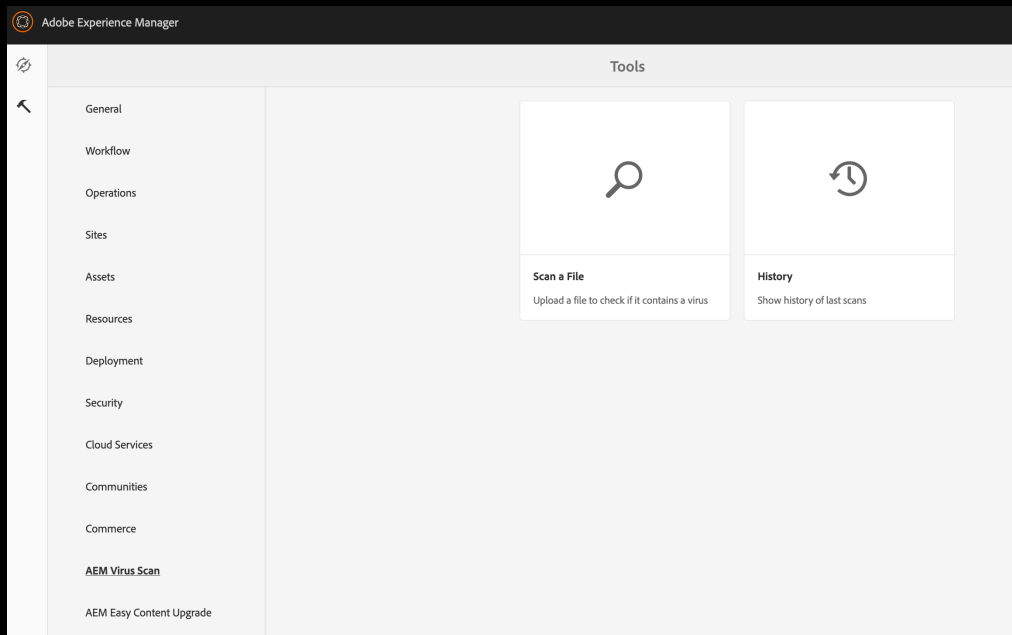
- Mail sent to uploader and additional recipients



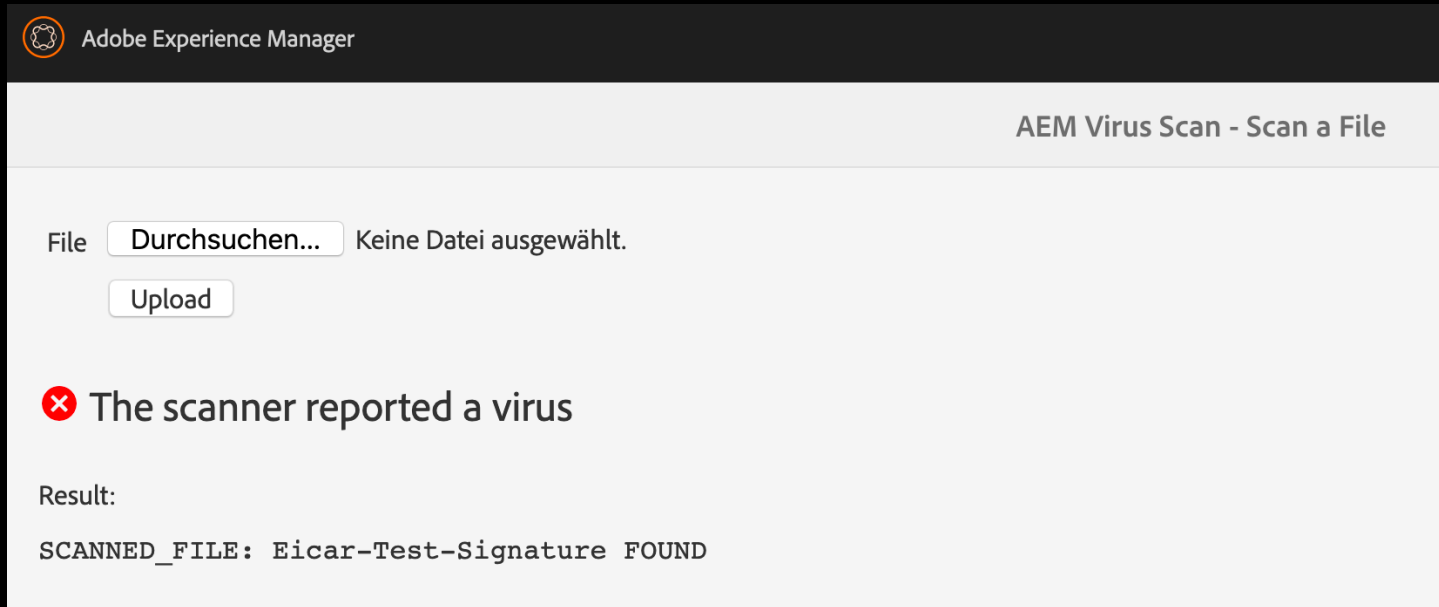
The screenshot shows a web interface with three tabs: "Mails list" (selected), "SMTP log", and "Last message". Below the tabs is a table with the following data:

Received	From	To	Subject
10:16:32 AM	no-reply@example.com	roland.gruber@valtech.com	A virus was found
10:16:32 AM	no-reply@example.com	root@localhost	A virus was found

■ AVS tools




■ Manual scan



The screenshot shows the Adobe Experience Manager (AEM) Virus Scan interface. At the top, the Adobe Experience Manager logo and name are visible. The main heading is "AEM Virus Scan - Scan a File". Below this, there is a file selection area with a "File" label, a "Durchsuchen..." button, and the text "Keine Datei ausgewählt.". An "Upload" button is also present. A red error icon (a circle with an 'x') is followed by the text "The scanner reported a virus". Below this, the word "Result:" is displayed, followed by the scan result: "SCANNED_FILE: Eicar-Test-Signature FOUND".

■ History

 Adobe Experience Manager

AEM Virus Scan - History			
Date	User	Path	Output
2020-09-20 10:20:51	admin		SCANNED_FILE: Eicar-Test-Signature FOUND
2020-09-20 10:16:32	admin	eicar.com	eicar.com: Eicar-Test-Signature FOUND

Configuration

AVS POST Filter

de.valtech.avs.core.filter.AvsPostFilter.xml

```
includePatterns="/content/dam/.*"  
excludePatterns=""
```



Clam Scanning Engine

de.valtech.avs.core.service.scanner.ClamScannerEngine.xml

```
command="/usr/local/bin/clamscan --infected --no-summary"
```



AVS Notification Mailer

de.valtech.avs.core.mail.AvsNotificationMailer.xml



```
subject="A virus was found"
```

```
body="Dear Sir or Madam, a virus was detected in your file  
upload. File name: _${FILE_NAME}_ Scan report: _${SCAN_OUTPUT}_"
```

```
isHtml="{Boolean>false"
```

```
from="no-reply@example.com"
```

Integration in Custom Code

```
import de.valtech.av.api.service.AvsService;
import de.valtech.av.api.service.scanner.ScanResult;

@Reference
private AvsService avsService;

...
ScanResult result = avsService.scan(inputStream, userId);
boolean isClean = result.isClean();
String output = result.getOutput();

...
```


Comparison to Apache Sling Clam

- Apache Sling Clam
 - Supports any Sling application
 - Includes event listening
- AEM Virus Scan
 - AEM only but deep integration
 - AEM Tools for manual scan and history



Roadmap

- More scan engines ← PRs welcome 🤗
- Scheduled scans
- Evaluate using Sling Clam as engine

Links



<https://github.com/valtech/aem-virus-scan>



<https://repo1.maven.org/maven2/de/valtech/avs>

Questions?

<https://github.com/valtech/aem-virus-scan>