EUROPE'S LEADING AEM DEVELOPER CONFERENCE

28th – 30th SEPTEMBER 2020

AEM Virus Scan

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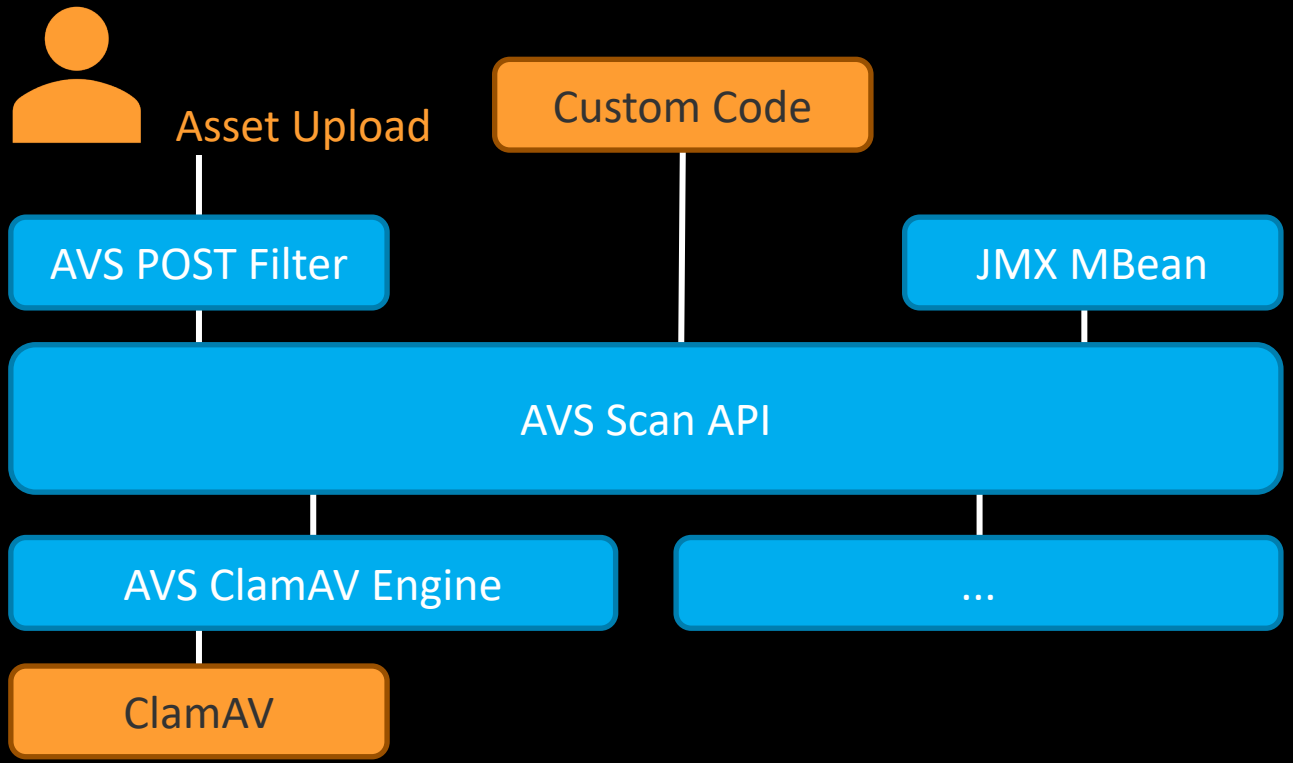
Features

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

Architecture



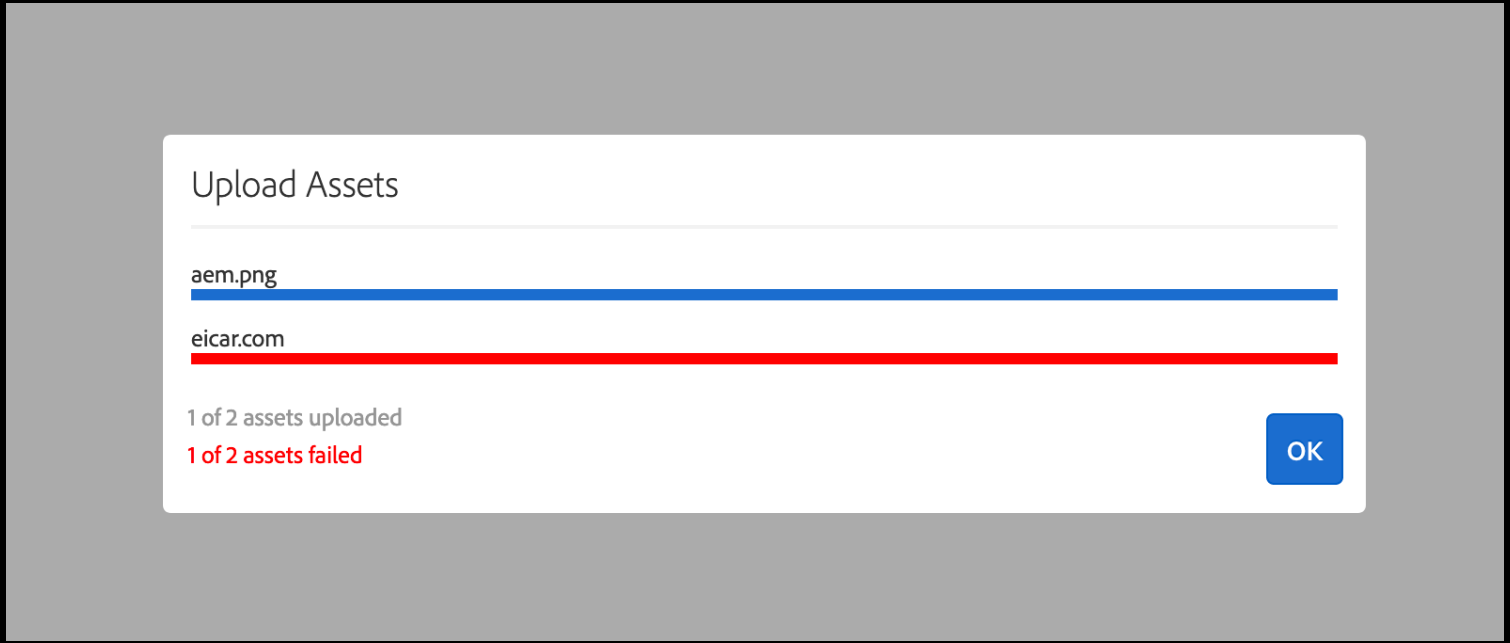
POST Filter

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

Live Demo

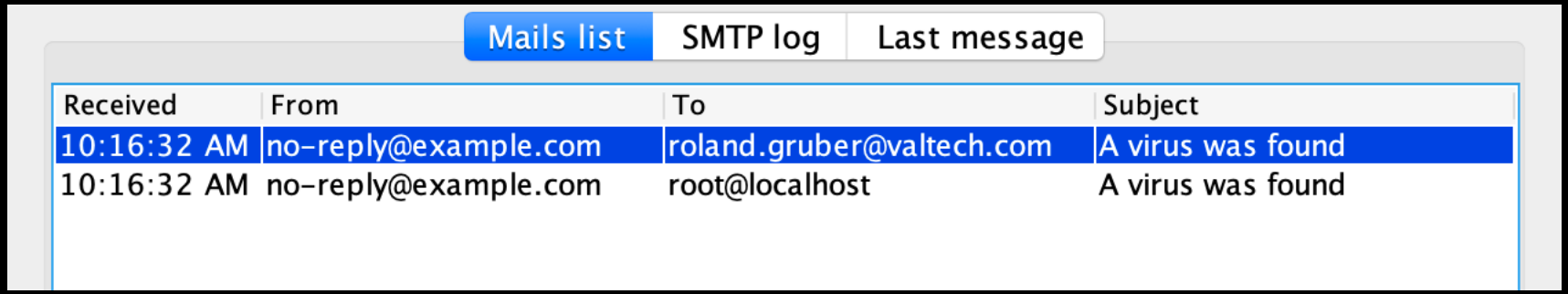
Live Demo

- Malware is blocked on asset upload



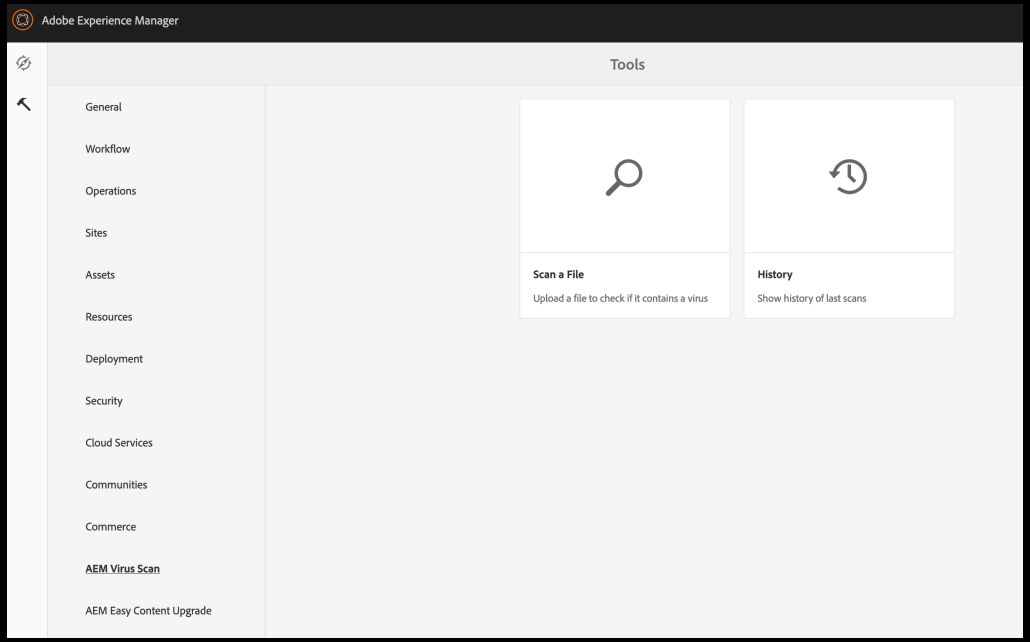
Live Demo

- Mail sent to uploader and additional recipients



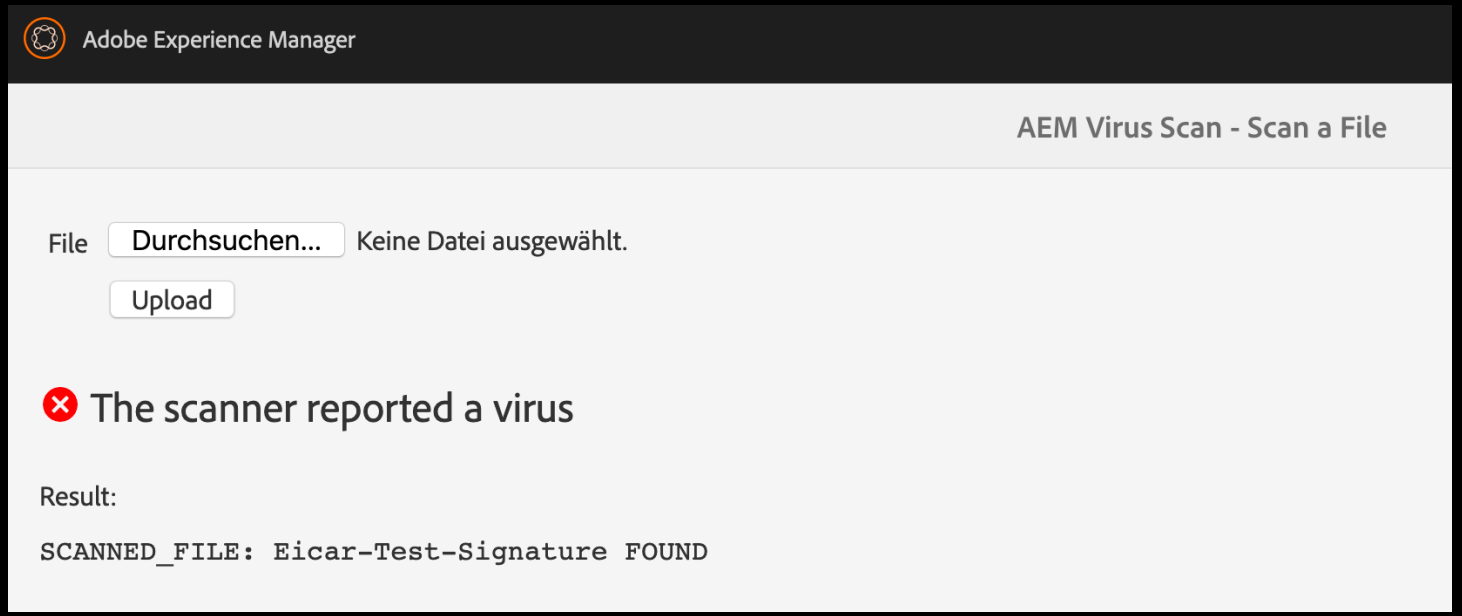
Live Demo

- AVS tools



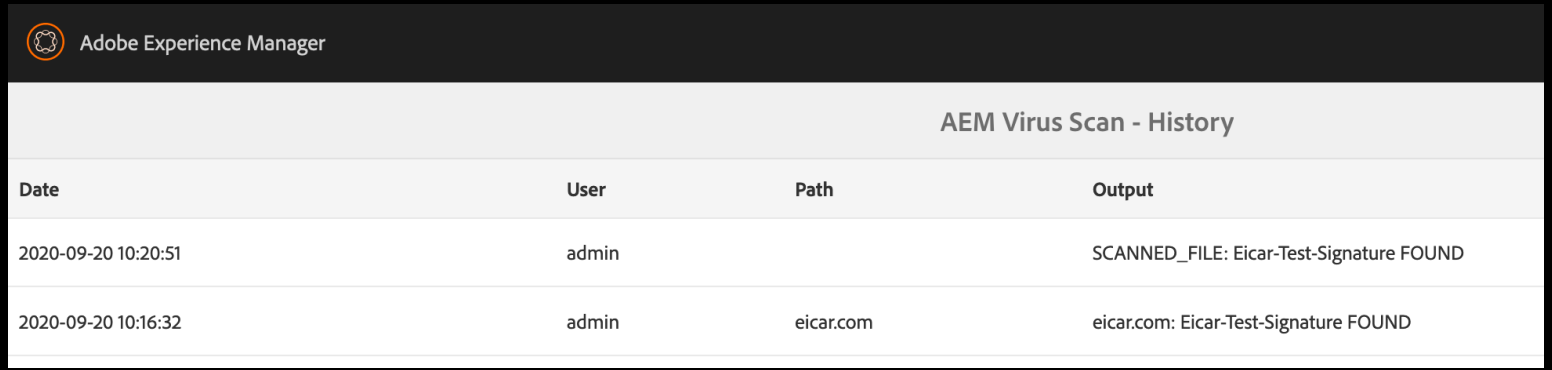
Live Demo

- Manual scan



Live Demo

- History



Configuration

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/clamdscan --infected --no-summary"
```

Configuration

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"
```

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Integration in Custom Code

Integration in Custom Code


```
import de.valtech.avs.api.service.AvsService;
import de.valtech.avs.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

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

Roadmap

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

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Links

Links

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

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

adaptTo()

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Questions?

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