

Authorize



Uploader

Uploader API



POST

/api/uploader

Firmware upload and analysis



Stores the provided firmware, queues a firmware analysis process with provided firmware and parameters

Parameters

Try it out

No parameters

Request body

multipart/form-data



file ★ required

The firmware to be analyzed

string(\$binary)

version

string

device

array<string>

notes

string

firmware\_Architecture

string

user\_emulation\_test

boolean

system\_emulation\_test

boolean

sbom\_only\_test

boolean

scan\_modules

array<string>

Responses

Code	Description	Links
200	<div>Successful operation</div> <div>Media type</div> <div>application/json</div> <div>Controls Accept header.</div> <div>Example Value   Schema</div> <div><pre>{   "id": "3fa85f64-5717-4562-b3fc-2c963f66afa6",   "status": "success" }</pre></div>	No links
400	<div>Bad request</div> <div>Media type</div> <div>application/json</div> <div>Example Value   Schema</div> <div><pre>{   "status": "error",   "message": "string" }</pre></div>	No links

Status report Status report API



GET

/status\_report/{analysis\_id}

Get analysis status report

Retrieves the report of a firmware analysis.

- If the analysis is still **running**, returns its progress
- If the analysis has **failed**, returns failure message, queues zip file generation. Returns the download link on subsequent request
- If analysis is **finished**, queues zip file generation. Returns the download link on subsequent request

Parameters

Try it out

Name	Description
<b>analysis_id</b> * required string(\$uuid) (path)	UUID of the analysis

analysis\_id

## Responses

Code	Description	Links
200	Zip ready for download	No links
<div><div>Media type</div><div>application/json</div></div> <div><div>Examples</div><div>Analysis finished successfully</div></div> <div>Controls Accept header.</div> <div>Example Value   Schema</div> <div><pre>{   "status": "finished",   "message": "Analysis finished successfully in 0:23:45.",   "download_url": "http://example.com:8001/download_zipped/&lt;analysis_id&gt;" }</pre></div>		
201	Zip generation queued on success/failure	No links
<div><div>Media type</div><div>application/json</div></div> <div><div>Examples</div><div>Zip generation on success</div></div> <div>Example Value   Schema</div> <div><pre>{   "status": "finished",   "message": "Analysis finished successfully. The logs are being zipped and will soon be ready for download" }</pre></div>		
202	Analysis in progress	No links
<div><div>Media type</div><div>application/json</div></div> <div>Example Value   Schema</div> <div><pre>{   "status": "running",   "completion": "32.8125% finished",   "message": "Analysis has been running since 2025-05-11 19:42:28.986026+00:00" }</pre></div>		
404	UUID not found	No links
<div><div>Media type</div><div>application/json</div></div> <div>Example Value   Schema</div> <div><pre>{   "status": "error",   "error": "The analysis with the provided UUID doesn't exist." }</pre></div>		



GET

/user/api\_test

Greet the API user

Returns a JSON greeting message to the authenticated API user. API key must be passed in either the **Authorization** header or the **api\_key** query parameter.

Parameters

Try it out

Name	Description
api_key string (query)	API key passed as a query parameter (alternative to Authorization header). <div>api_key</div>

Responses

Code	Description	Links
200	<p>A successful response with a greeting message.</p> <p>Media type</p> <div>application/json</div> <p>Controls Accept header.</p> <p>Example Value   Schema</p> <div><pre>{  "message": "Hello, johndoe!"}</pre></div>	No links
401	<p>Unauthorized - API key is missing or invalid.</p> <p>Media type</p> <div>application/json</div> <p>Example Value   Schema</p> <div><pre>{  "error": "Missing API key"}</pre></div>	No links

Schemas



UploaderResult > Expand all object

Error > Expand all object

The documentation for the design of the software for  
EMBark is already available at:  
<https://github.com/e-m-b-a/embark/wiki/Overview>