EAT Media Types
Carrying EAT around

https://datatracker.ietf.org/doc/draft-lundblade-rats-eat-media-type/

RATS WG, IETF 114
# Base Types

<table>
<thead>
<tr>
<th>Name</th>
<th>Template</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAT CWT</td>
<td>application/eat-cwt</td>
</tr>
<tr>
<td>EAT JWT</td>
<td>application/eat-jwt</td>
</tr>
<tr>
<td>EAT CBOR DEB</td>
<td>application/eat-deb+cbor</td>
</tr>
<tr>
<td>EAT JSON DEB</td>
<td>application/eat-deb+json</td>
</tr>
<tr>
<td>EAT UCCS</td>
<td>application/eat-ucs+cbor</td>
</tr>
<tr>
<td>EAT UJCS</td>
<td>application/eat-ucs+json</td>
</tr>
</tbody>
</table>
The "profile" parameter

- An optional profile parameter mirrors the eat_profile claim value of the transported EAT
- dotted-decimal absolute OID or URI
- To help API routing middleware, application servers and the like
- A fine-grained and scalable type system that matches the inherent extensibility of EAT
Example (Successful negotiation)

POST /challenge-response/v1/session/02a4fe12-1887-4a24-9d61-4b76b0f3c488 HTTP/1.1
Host: verifier.example
Content-Type: application/eat-cwt; profile=tag:evidence.example,2022
Accept: application/eat-jwt; profile=tag:ar4si.example,2021

[ CWT-protected EAT w/ profile=tag:evidence.example,2022 ]

HTTP/1.1 200 OK
Content-Type: application/eat-jwt; profile=tag:ar4si.example,2021

[ JWT-protected EAT w/ profile=tag:ar4si.example,2021 ]
**Example (Failed negotiation I)**

POST /verify/my-evidence HTTP/1.1
Host: verifier.example
Content-Type: application/eat-cwt; profile=tag:evidence.example,3022
Accept: application/eat-jwt; profile=tag:ar4si.example,2021

[ CWT-protected EAT w/ profile=tag:evidence.example,3022 ]

HTTP/1.1 415 Unsupported Media Type
Accept: application/eat-cwt; profile=tag:evidence.example,2022,
       application/eat-cwt; profile=tag:evidence.example,2021
Example (Failed negotiation II)

POST /verify/my-evidence HTTP/1.1
Host: verifier.example
Content-Type: application/eat-cwt; profile=tag:evidence.example,2022
Accept: application/eat-jwt; profile=tag:ar4si.example,3021

[ CWT-protected EAT w/ profile=tag:evidence.example,2022 ]

...

HTTP/1.1 406 Not Acceptable
Accept: application/eat-jwt; profile=tag:ar4si.example,2021
Adopt?