It seems that specifying a fast_pattern in base64_data is ignored both from an error/warning standpoint and from an actual fast_pattern assignment by suricata. It seems suricata should warn/fail on fast_pattern assignment in base64_data.

**Rule Example:**

```plaintext
alert http $HOME_NET any -> $EXTERNAL_NET any (flow:established,to_server; http.method; content:"POST"; http.request_body; base64_decode:bytes 28; base64_data; content:"something"; fast_pattern; classtype:bad-unknown; sid:123; rev:1;)
```

**Suricata Log:**

```
```

**Rule Fast Pattern Log:**

```
== Sid: 123 ==
alert http $HOME_NET any -> $EXTERNAL_NET any (flow:established,to_server; http.method; content:"POST"; http.request_body; base64_decode:bytes 28; base64_data; content:"something"; fast_pattern; classtype:bad-unknown; sid:123; rev:1;)
Fast Pattern analysis:
  Fast pattern matcher: http request method (http_method)
  Flags: None
  Fast pattern set: no
  Fast pattern only set: no
  Fast pattern chop set: no
  Original content: POST
  Final content: POST
```

**Suricata Version:**

```
This is Suricata version 7.0.0-dev (99b344336 2022-03-25)
```

**Related Issues:**

- Related to Feature #5245: allow fast_pattern on base64_data strings
- Copied to Bug #5242: fast_pattern specification in base64_data shouldn't be a...
- Status changed from New to Assigned
- Assignee changed from OISF Dev to Shivani Bhardwaj
- Target version changed from 7.0rc1 to 6.0.5
- Label deleted (Needs backport to 6.0)

#3 - 04/04/2022 12:19 PM - Jeff Lucovsky
- Assignee changed from Shivani Bhardwaj to OISF Dev
- Target version changed from 6.0.5 to 7.0rc1
- Label Needs backport to 6.0 added

#4 - 04/08/2022 11:56 AM - Jeff Lucovsky
- Copied to Bug #5242: fast_pattern specification in base64_data shouldn't be allowed added

#5 - 06/10/2022 09:10 AM - Victor Julien
- Related to Feature #5245: allow fast_pattern on base64_data strings added