

# XCAP usage with Config-Framework

draft-ietf-sip-xcap-config-00  
(previously draft-ietf-sipping-xcap-config)

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# Changes from sipping-xcap-config-00

- Clarified constraint that "document" path MUST refer to a whole document.
- Moved "application" profile type definition here from: draft-ietf-sipping-config-framework-08.
- Defined concept of filtering using Event header parameters.
- Cleaned up IANA section.
- Moved section on xcap-diff usage in an event package from xcap-diff to this document.

# Problem Identified at Montreal IETF 66

- Client subscribes to ua-profile event package expecting xcap support. How does server indicate it does not support xcap?
- Option 1:
  - Response code for unknown header parameter (e.g. document or auid)
- Option 2:
  - Create response code for invalid parameter **value(s)** (e.g. profile-type=application)
    - Option 2A: specific to config-framework profile-type
    - Option 2B: general to SIP RFC 3261
    - Option 2C: general to Events RFC 3265

# xcap-config Proposal

- Profile delivery server SHOULD send 439 Invalid Event Parameter Value for profile-type=application if XCAP is not supported by profile delivery server.

# draft-petrie-sip-event-param-err-00

- Requirements:
  - Provide useful feed back for Event header parameters with invalid or unsupported values
  - Indicate which parameters and values are at fault
  - Provide backward compatibility mechanism for newer subscriber implementations with older notifiers
  - ??? Indicate missing parameters ???
- Non-Requirements
  - Distinguish between invalid and unsupported parameters
  - Indicate context in which parameter value may be allowed

# draft-petrie-sip-event-param-err-00

- Update to RFC 3265 SIP Events
- A notifier which receives a SUBSCRIBE request with Event header parameters having invalid or unsupported values that cause a processing failure of the SUBSCRIBE MAY indicate this error by responding with the SIP response code of **439** Invalid Event Parameter Value
- The parameter(s) with invalid value SHOULD be listed in the **Invalid-Parameters-Values** header.  
E.g.  
Invalid-Parameters-Values: profile-type=application