

ACNS Server Profile

DRAFT

Notices

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1 SCOPE

This is one of a series of documents that provides additional specification on the use of ACNS 2.0. This document defines ACNS usage information for sending notices in the context of servers such as user generated content (UGC) sites, cyberlockers, and other servers offering content. This document also covers link sites where references are made to content at other sites.

This document references ACNS 2.0 *Automated Content Notice System (ACNS 2.0)*¹. A profile is a selection of elements and usage constraints on those elements when used in defined circumstances.

This document will identify requirements by using either “shall” or “must”. Other information defines best practices.

2 MESSAGES

All messages refer to one infringement. That is, only a single infringement should be included per notice. Multiple detections of the same infringement may be noted in the Detection element.

3 ACNS ELEMENTS

3.1 Common requirements

- All required elements must be included
- All items are as specified in ACNS 2.0 documentation, but are constrained as noted here.
- When IP address is used to refer to a subscriber that might be behind address translation, IP Address, Port and Protocol must all be included². There is an allowable grace period until this can be implemented. In general, for servers, IP address should not be relevant.
- Deprecated elements and attributes should not be included.

3.2 Infringement Element

- The Detection and Asset elements: All attributes and child elements are relevant and should be applied as described in the specification.
- Source Element
 - DNS_Name must be included.
 - MAC_address has no relevance and should not be included.
 - The Type element should be “SERVER”
 - If the SubType element should be included

¹ MovieLabs document, MPL-ACNS2. This may be found at <http://www.movielabs.com/ACNS>

² Previously it was incorrectly assumed that protocol was not necessary. However, some NAT servers will assign the same port for both TCP and UDP.

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- BaseType attributed must be “SERVER”
 - If the protocol is not one of the enumerated types, do not include the optional Prototype attribute
 - URL_Base should be included with the site’s primary URL
 - Number_Files should be 1, as only one infringement is included in the notice
 - If History is included (see below), Deja_Vu should contain “YES”.
 - Content Element
 - Only one Item element should be included
 - Item Element
 - AlsoSeen Element
 - If more than one AlsoSeen element is included, they should refer to the same content and same user, although possibly in a different location (i.e., reposting of same content).
 - URL points to the location of the content, or in the case of a link site, the location where the link is hosted.
 - HostingURL element
 - If the notice refers to a site that his hosting content, HostingURL should not be included.
 - If site is a link site, the HostingURL must be included.
 - Type and ExplicitType should either both be used or neither used. If used, they should contain the same string.
 - The History element may be used. It should refer only to other notices sent regarding the same user and same content.
 - Verification should not be included.
 - TextNotice should contain the same text as the original message.

3.3 NoticeAck Element

All elements and attributes are relevant as described in the ACNS 2.0 specification.

A recipient of a notice containing an Infringement element should respond as soon as it has determined whether the IP address is within their range at the time noted in the infringement. If Sequence is included, it should be 0 (zero). If not included, it is presumed to be zero.

If an error in a NoticeAck is identified, subsequent NoticeAck messages may be sent with monotonically increasing Sequence numbers.

3.4 StatusQuery Element

All elements and attributes are relevant as described in the ACNS 2.0 specification.

A StatusQuery message may be sent at any time. The appropriate response is a StatusUpdate message.

3.5 StatusUpdate Element

All elements and attributes are relevant as described in the ACNS 2.0 specification.

A StatusUpdate message may be sent at any time. That is, it may be sent even if there is no StatusRequest message sent. No response is required.

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