

Common Gateway Interface for SIP

Status of this Memo

This document is an Internet-Draft and is in full conformance with all provisions of Section 10 of RFC2026.

Internet-Drafts are working documents of the Internet Engineering Task Force (IETF), its areas, and its working groups. Note that other groups may also distribute working documents as Internet-Drafts.

Internet-Drafts are draft documents valid for a maximum of six months and may be updated, replaced, or obsoleted by other documents at any time. It is inappropriate to use Internet-Drafts as reference material or to cite them other than as “work in progress.”

To view the list Internet-Draft Shadow Directories, see <http://www.ietf.org/shadow.html>.

Copyright Notice

Copyright (c) The Internet Society (1999). All Rights Reserved.

Abstract

In Internet telephony, there must be a means by which new services are created and deployed rapidly. In the World Wide Web, the Common Gateway Interface (CGI) has served as popular means towards programming web services. Due to the similarities between the Session Initiation Protocol (SIP) and the Hyper Text Transfer Protocol (HTTP), CGI seems a good candidate for service creation in a SIP environment. This draft proposes a SIP-CGI interface for providing SIP services on a SIP server.

Contents

1	Introduction	3
2	Motivations	3
3	Differences from HTTP-CGI	4
3.1	Basic Model	4
3.2	Persistence Model	6
3.3	SIP CGI Triggers	6
3.4	Naming	7
3.5	Environment Variables	7
3.6	Timers	7
4	Overview of SIP CGI	7
5	SIP CGI Specification	9
5.1	Introduction	9
5.1.1	Relationship with HTTP CGI	9
5.1.2	Terminology	9

5.1.3	Specifications	9
5.1.4	Terminology	9
5.2	Notational Conventions and Generic Grammar	9
5.3	Invoking the script	9
5.4	The SIP-CGI Script Command Line	10
5.5	Data Input to the SIP-CGI Script	10
5.5.1	Message Metadata (Meta-Variables)	10
5.5.1.1	AUTH_TYPE	11
5.5.1.2	CONTENT_LENGTH	11
5.5.1.3	CONTENT_TYPE	11
5.5.1.4	GATEWAY_INTERFACE	11
5.5.1.5	Protocol-Specific Metavariabes	12
5.5.1.6	REMOTE_ADDR	12
5.5.1.7	REMOTE_HOST	12
5.5.1.8	REMOTE_IDENT	12
5.5.1.9	REMOTE_USER	12
5.5.1.10	REQUEST_METHOD	12
5.5.1.11	REQUEST_TOKEN	13
5.5.1.12	REQUEST_URI	13
5.5.1.13	RESPONSE_STATUS	