



## HTTP SERVER SECURITY TO PREVENT ATTACKS ON COMMERCIAL: A REVIEW

<sup>1</sup>Sunil, Research Scholar, Department of CSE, Indus Instt. of Engg. & Tech, jind.

<sup>2</sup>Abhishek bhatnagar, A.P., Department of CSE, Indus Instt. of Engg. & Tech, jind

**ABSTRACT:-** Hyper Text Transfer Protocol (HTTP) is an application-layer protocol used primarily on World Wide Web. HTTP uses a client-server model where web browser is client & communicates within web server that hosts website. Browser uses HTTP, which is carried over TCP/IP to communicate to server & retrieve Web content for user.

HTTP is a widely used protocol & has been rapidly adopted over Internet because of its simplicity. It is a stateless & connectionless protocol. Categories of attack could consist of passive monitoring of data communications exploitation by insiders, close-in attacks, harmful attacks through service provider & active network attacks. Information systems & networks usually offer targets & must be resistant within order to attack from full range of threat agents, from hackers to nation-states. System must be capable to restrict damage & recovery from occurrence of attacks. objective of research is to secure HTTP server from external attacks.

### 1. INTRODUCTION

HTTP concepts include idea that files can contain references to other files whose selection would elicit additional transfer requests. Any Web server machine contains, in addition to Web page files it can serve, an HTTP daemon, a program that is designed to wait for HTTP requests & handle them when they arrive. Your Web browser is an HTTP client, sending requests to server machines. When browser user enters file requests by either "opening" a Web file (typing in a Uniform Resource Locator or URL) or clicking on a hypertext link, browser builds an HTTP request & sends it to Internet Protocol address (IP address) indicated by URL. HTTP daemon in destination server machine receives request

& sends back requested file or files associated within request.

### Techopedia explains Hypertext Transfer Protocol

HTTP's simplicity is its greatest strength it is also its main drawback. As a result, Hyper Text Transfer Protocol - Next Generation (HTTP-NG) project has emerged as an attempt to replace HTTP. HTTP-NG promises to deliver a much higher performance & additional features to

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