

## **The Common Gateway Interface (CGI) for Enhancing**

### **WWW Services**

#### ***Tutorial Presentation***

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Static WWW pages are a start to using the power of the World Wide Web, but there is much more that can be done under program control. Dynamic web pages can be created through a sophisticated web server or by extending the functionality of any web server through the Common Gateway Interface (CGI). This presentation/tutorial will be an introduction to using, writing, and managing CGI programs. The audience will be those interested in developing their own CGI programs and those just interested in understanding more about how a WWW server works.

Some common uses for CGI programs are

- Page Counters
- Clickable Image Maps
- Web site searching
- HTML documents tailored to the client's browser
- Network/system status reports
- Any form for requesting information from the user

A very general outline of the presentation is:

- WWW client/server interaction
- WWW server functions and CGI
- Common web servers in use
- Executing a simple CGI program (examples)
- Parsing user input in a CGI program (more sophisticated examples)
- Common scripting languages
- Security issues - especially ramifications of allowing any user to create a CGI program