Server Side Includes Quick Reference Card^{1.01}

		%S	Seconds, 00 to	59	The Exec Directive		
		%t	Tab character		Used to instruct the server to run an external application		
	ExplainThat	%Т	Shortcut for %	H:%M:%S	or a system command. Takes one of two forms		
Explain Indi		%w Day of week, 00 to 06			• #exec cmd="value" – to run a system command		
	Convright@ 2007-2008 Brands Patch LLC	%W	Week of year, (00 to 53	• #exec cgi="value" – to run a CGI script		
	http://www.explainth.at	%v	Year of century	v, 00 to 99	Allowing the use of the #exec directive has serious		
	Color key overleaf	%Y	Year with centu	urv. e.g. 2008	security implications. Many site hosts block the use of this directive or at least the execution of system		
	Purpose	%Z	Timezone nam	е	commands. In some cases, it may be possible to		
Server Side Includes, SSI , are directives placed in an					in the section entitled Server Configuration .		
server before the document is served to the viewer.		Examples • <1-#config timefmt="%A %eth of %B %Y"			Examples		
The document extension SHTML is generally used to inform the server that it should parse the document for		>gives Wednesday, 3th of January 2008.			• #exec cmd="ping explainth.at" - Pings		
SSI directives prior to pushing it out. To use a different		• #config timefmt="%wth day of the %Wth</td <td><u>explainth.at</u></td>			<u>explainth.at</u>		
extension, or to get existing HTML files subjected to SSI parsing see the section entitled Server Configuration.		2008.			#exec cmd="Is" - returns a directory listing. If your server is running Windows use dir instead.		
Generic Form		3th and 1th are both wrong. SSI Conditionals , discussed below, offer a better solution.			• #exec cgi="/scripts/myip.php" - runs the		
The gene	eric form of an SSI directive is	The Echo Directive		ho Directive	script myip.php.		
#tag</td <td>argument="value"></td> <td colspan="3">Used to echo information – i.e. output it to the HTML</td> <td>The FSize & FLastMod Directives</td>	argument="value">	Used to echo information – i.e. output it to the HTML			The FSize & FLastMod Directives		
dependent. This document provides a summary of SSI directives that are fully supported by Apache.		form of this directive is		ed to SSI parsing. The generic	Used to return information regarding file size and last modification date.		
There sh	ould be no space before or after the #. Apache	#ech</td <td>o var="value"</td> <td>> where value is one of the</td> <td><#fsize file="ssiqr.pdf"></td>	o var="value"	> where value is one of the	<#fsize file="ssiqr.pdf">		
does not	permit the use of single quotes. SSI directives	lonowing v	Value	Meaning	#fsize virtual="/en/ssi/sfile.shtml"		
common	y used conventions.	CONTEN	T LENGTH	Size of client input	#flastmod virtual="/en/menu/ssi.shtml"		
	The Config Directive	CONTEN		MIME content type	The nature of the output from the #fsize directive is determined by the last <1 #config eigefint="value"		
Used to directives	format information returned by other SSI	DATE G	MT	Current date/time_GMT	> statement. See Notes for the meaning of file and		
• errms	g: Defines message on SSI error. e.g.	DATE LO		Current local date/time	virtual.		
#co</td <td>nfig errmsg="SSI Error"> would output</td> <td></td> <td>NT NAME</td> <td>Name of current document</td> <td>The Include Directive</td>	nfig errmsg="SSI Error"> would output		NT NAME	Name of current document	The Include Directive		
#site ex	plainthat="www.explainth.at">	DOCUME		Name & Location of current	a mechanism to deliver information that is repeated		
• sizefmt: Determines format for reporting file sizes.		document		document	across a range of HIML documents from one source in order to minimize duplication and the risk of error. Enter		
Reports file size in KB or MB.		DOCUME	ENT_ROOT	The root directory	the #include directive. The directives		
#config sizefmt="bytes" Reports file size in bytes		LAST_M	ODIFIED	Document was modified on	#include virtual="/includes/logo.html"		
• timefmt: Determines the format for reporting date and		HTTP_C	OOKIE	Document cookie, if any	#include file="logo.html"		
time. #config timefmt="value" where value is		HTTP_R	ERER Viewer came from? will incorporate the contents of the file logo.shtml into the current document. If the document being included must				
Value	Meaning	REMOTE	_ADDR	Viewer's IP address	in turn be processed to parse SSI directives just use the		
%a	Abbreviated day name	REMOTE	_HOST	Host name of remote client	extension SHIML for that document.		
%A	Full day name	REQUES	T_METHOD	GET or POST?	run the script <i>myip.php</i> and incorporate its results into		
%b	Abbreviated month name	SCRIPT_	NAME	Name of current script	the current document.		
%В	Full month name	SERVER	_NAME	Host name, e.g. explainth.at	See Notes for the meaning of file and virtual.		
%с	Locale date-time format	SERVER	_PORT	Typically, Port 80	The #set directive provides a means of setting variables		
%d	Day of month, 01 to 31	SERVER	_PROTOCOL	Typically, HTTP/1.1	for later use.		
%D	Shortcut for %m/%d/%y	SERVER	_SOFTWARE	e.g. Apache/2.0.52 (CentOS)	Examples		
%е	Day of month, 1 to 31. A single space character used to pad dates from 1 to 9	value is uppercase	not case sensit e.	tive but is usually specified in	 <!--#set var="site" value="www.explainth.at"--> assigns the string www.explainth.at to a variable called site. 		
%Н	Hour, 00 to 23		LENGTH &	CONTENT_TYPE are only	• #set var="day" value="\$DATE LOCAL"</p		
%l	Hour, 01 to 12	case they	evant when the method is POST or PUT in which ase they report the length and type of the information		>assigns the intrinsic variable DATE_LOCAL to a		
%j	Day of year, 001 to 366	attached t	ttached to the request.		that we are referring to a variable rather than a string		
%m	Month of year, 01 to 12	Dates are reported using the format set by the last <br #config timefmt="value">statement. Information provided by echoing values such as DOCUMENT_ROOT or SERVER_SOFTWARE could well be used maliciously.			bearing the name DATE_LOCAL.		
%M	Minutes, 00 to 59				• #set var="price" value="\\$9.99" assigns a the string \$9.99 to the variable price. The reverse		
%n	Newline character				solidus, \ is used to escape the \$ character which would		
%p AM/PM string		Example			"variable" \$9.99.		
%r Shortcut for %l:%M:%S %p		<pre><script type="text/javascript"> var uip='<!#echo var="REMOTE ADDR">' </pre></td><td>Apache may at times fail to recognize a variable</td></tr><tr><td>%R</td><td>Shortcut for %H:%M</td><td></script></pre>					reference. If this happens, just wrap the reference in braces. e.g. \${DATE_LOCAL} .
%s	Seconds since 00:00:00 on 1 January 1970	This code	is a simple way	to make the IP address of the	SSI Conditionals		
		document	has been loade	ed.	SSI Conditionals provide a mechanism for the		

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conditional inclusion of information in the document	Notes
being parsed. The generic form of an SSI Conditional is shown below	file indicates a file in the current path. virtual indicates a file path relative to the document root.
#if expr="valueA"	Color Key
#elif expr="valueB"	red - SSI Directive output.
statementB	statement – SSI directive, plain text or HTML code.
	[text] – text is optional
#else	If you find this reference card useful please help us by
statementDefault #endif	creating links to our site http://www.explainth.at where you will find other quick reference cards and many other free programming resources.
where value is the expression to be tested and statement is the information to be output to the document being processed if the condition is satisfied. statement can be another SSI directive such as #echo or plain text or HTML code. Only the #if and #endif parts are obligatory. In fact, Apache will not complain if #endif is left out. However, the parsed document is liable to be truncated before the #if if it resolves to false. value must evaluate to true or false. It is possible to use	
as the logical operators (OR) and && (and). A comprehensive example is given below	
#set var="h" value="1"	
#if expr=""\$h=1 && !(\$t=1 \$s=1)""	
соок #elif expr="\$t=1 && !(\$h=1 \$s=1)"	
>:#em expr="(\$n=1 && \$t=1) && \$s!=1"> Order A Pizza	
#elif expr="s=1 && !(\$t=1 \$h=1)"	
<pre>Go To Bed <!--#elif expr="\$h=1 && \$s=1 && \$t=0"--></pre>	
Sleep but not tired? Make up your mind!	
#elif expr="(\$t=1 && \$s=1) && \$h=0" Off To Bed!	
#else	
Get Bored	
where h=hungry, t=tired & s=sleepy.	
Server Configuration	
Depending on the features offered by the version of Apache running on your server and the capabilities permitted by your host you may be able to edit the .htaccess file and change the way your server processes SSI directives.	
.htaccess is merely a text file that controls how resources within a directory – and its sub directories – are accessed by the serverhtaccess entries relevant to controlling SSI are given below	
Enable/Disable Server Side Includes	
This is done using the syntax	
Options [+ -]Value1 [[+ -]Value2 [+ -]Value3]	
+ causes the value to be added to the current list of options while – causes it to be removed from the current list of options. For instance	
Options +Includes would enable SSI processing	
Options -IncludesNOEXEC would block the #exec directive while allowing other directives to be processed.	
•Subjecting .EXT files to SSI Parsing By default most servers will parse all files bearing the extension SHTML for SSI directives. This can prove to be an impediment if you need to use SSI in a HTML file that is currently on your servers and widely indexed by search engines such as Google. To force the server to parse .HTML files for SSI directives just add the following lines to your .htaccess file.	
AddType text/html .html AddHandler server-parsed .html	
	I I