

# NAMO DeepSearch 4

## Multi-Template Feature

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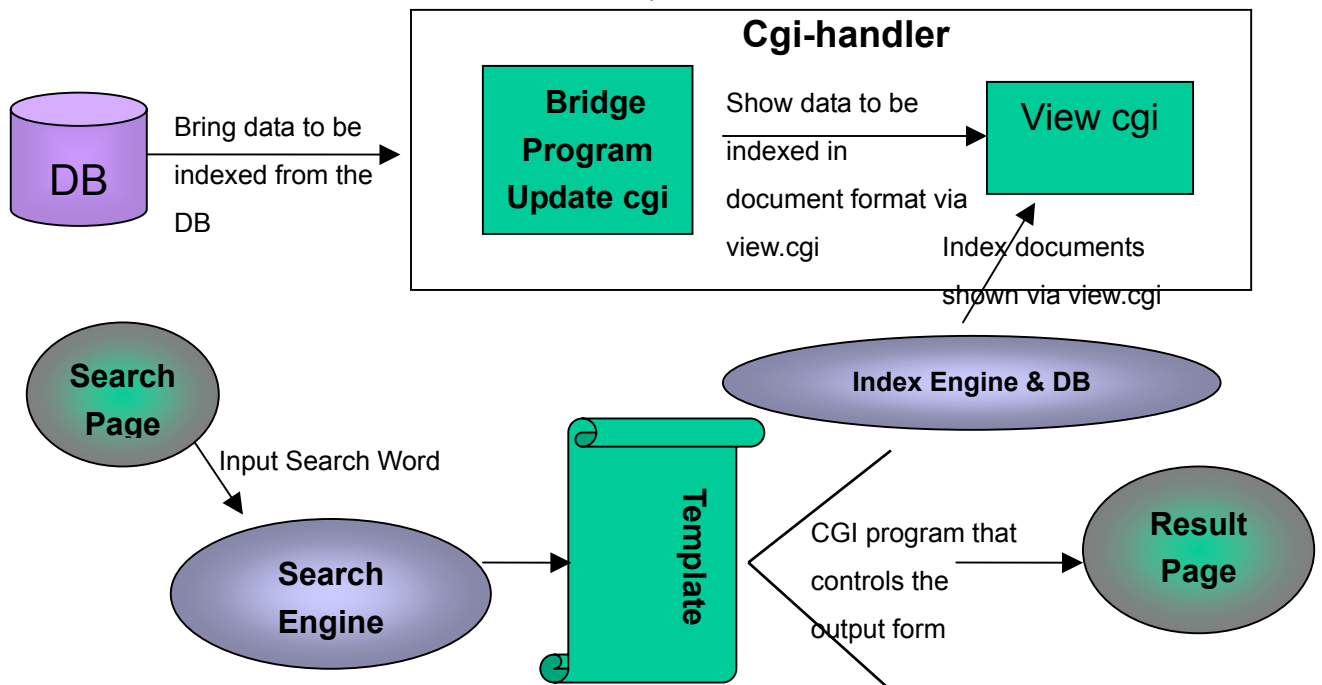
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## Multi-Templates

### Database (DB) Indexing

- DB indexing is necessary when a target page does not have a fixed form but instead has frequently added, modified, and/or deleted fields such as bulletin boards.
- Although similar to indexing items that are fixed, template adjustments and a CGI program that controls both template and output form must be included in the output section.
- CGI Program that controls the output form:  
Since search result page items are not fixed, template adjustments are necessary and a CGI program that controls the output form must be summoned to bring necessary items from the DB records inside the template.



\*Input = What users type in the search box - Search words, terms, phrases, etc.

\*Output = What DeepSearch finds or not find – Search results, no result, etc.

- **Search & Result Page**

Compose a page with search conditions you will inquire. Select search conditions and deliver them to "mclient.cgi" as arguments. If you are to use multi- templates or In URL, Category, and User Tag features, be careful about argument choices.

**List of arguments:**

p: Search Term	t: Target (h: documents, l: images, s:
----------------	--

	audio)
za: Operators (l : AI-AND, a : AND ,o : OR)	ct: Category
n: Results per page (10: 10results per page, 10, 20, 30, 40, 50)	o: Sort by (s: site, d: date, c: category)
ht: In URL	s: String (e: as entered, s: substring)
Fd: from Date (i.e.- 2000/01/01)	td: to Date (i.e.-2000/10/10)
tfn: Template name, only when using multi-templates	h: Meta search (l: Korean, o: International, n: news)
tl: To search title tags (on: search)	to: Meta search time out (0: optimal, 10, 20, 30)

Following is an example of a simple search form (search box) using “p” argument. If you want a more detailed search form, use the above arguments and insert them:

i.e.-search.htm

```

<html><head>
<meta http-equiv="content-type" content="text/html; charset=euc-kr">
<title>Search Form</title>
<meta name="generator" content="Namo WebEditor v5.0">
</head>
<body bgcolor="white" text="black" link="blue" vlink="purple" alink="red">
<table border="0" cellpadding="0" cellspacing="0" height="69">
<tr>
<td>
<form name="query_box" method="get" action="http://xo.namo.co.kr/~essence/cgi-bin/mclient.cgi">
<td width="230" align="left" valign="top"><input type="hidden" size="8" name="tfn" value="tpl_cgi_eng">
<FONT size=1><input type="text" size="8" name="p"></FONT>
<input type="image" src="http://www.namo.co.kr/images/go.gif" width="32" height="21" border="0" align="top" name="image">
</td>
</form>
</tr>
</table>
</body></html>

```

- **How to use Multi-Templates:**

Some administrators might want different output pages for different menus or categories and not just one simple search result page for all purposes. For example, administrators might want to differentiate a normal search result page and a bulletin board search result page:

- First, create all the necessary templates for the result page. For example, create a template file called "main.dst" for a normal search result page and another called "bb.dst" for a bulletin board search result page.
- Use "tfn" argument when inquiring the result page from the search page. For example, if you have created "main.dst" (a normal result page template) and "bb.dst" (a bulletin board result page template), using the value "main" for the "tfn" argument during an inquiry will call for a normal result page template. On the other hand, using the value "bb" for the "tfn" argument during an inquiry will call for a bulletin board result page template.

-i.e.- tfn=main

-i.e.- tfn=bb

- Careful not to include file extensions (.dst) in the "tfn" argument.
- If you have modified a template file, erase the old one with ".dct" extension (use "rm" command in Unix) in the /template directory and then copy the modified template file with the ".dst" extension in the same directory. Then assign that file as the "tfn" argument value. (i.e.- tfn=bb)

① DeepSearch will compile ".dst" template files into ".dct" first before using it as a template file. When you assign a template file to the "tfn" argument, DeepSearch will automatically compile that ".dst" file into a ".dct" file in /template.

- **CGI Connecting Template**

Template is useful for result page output forms and designs. Output items in the result page are items that were saved in the database during the time of indexing job. The following example is a template file code for the CGI connecting template and bold parts are template scripts for DeepSearch. Descriptions of these scripts are in the *Placeholder List* manual. An important template script in the following example is:

**[ds\$ItemDBExtCGI** <!-- cgi="http://xo.namo.co.kr/~essence/cgi\_handler/viewext.php" count=10 -->]. This script is used for changing forms through CGI that assigns output data items. "Count" is the number of items to send to the CGI program.

i.e.- CGI Connecting Template Example (tpl\_cgi\_eng.dst)

```
<html><head><title>DeepSearch : Result Page</title>
```

```
<!--ds$JScripts -->
```

```
</head>
```

```
<!--ds$DeepSearchTemplate_ResultPage Kor -->
```

```
<body bgcolor="white" link="#0033CC" [ds$BodyAddTag]>
```

```
<!--ds$SearchTip -->
```

```
<!--ds$Result_Begin -->
```

```
<font face="arial,Helvetica">
```

```
<table width="640" border="0" cellspacing="0" cellpadding="0" align="center">
```

```
<tr>
```

```
<td background="[ds$URL_ResourceDIR]search_tit01.gif" height="65" width="570"
valign="bottom" colspan=2>
```

```
<table width="640" border="0" cellspacing="0" cellpadding="0">
```

```
<tr>
```

```
<td width="30" valign="top"></td>
```

```
<td class="a3" width="610" valign="bottom"><b>[ds$QrWord]</b>[ds$UserString
n=1]</td>
```

```
</tr>
```

```
</table>
```

```
</td>
```

```
</tr>
```

```
[ds$QueryBox <!-- head="<tr><td >&nbsp;</td><td class='a3' >" tail="</td></tr>" fontsize=2
tag="width=640 border=0 cellspacing=0 bgcolor=#E9E9E9"
help="javascript:windowHelpOpen()" add="<input type=hidden name=tfn value='tpl_cgi_eng'"
cs="4P=1 Q=1 L=1 R=1 .. V=1 .. H=1" -->]
```

```
[ds$MetaQueryBox <!-- head="<tr><td bgcolor=#E9E9E9>&nbsp;</td><td
bgcolor=#E9E9E9>" tail="</td></tr>" fontsize=2 linkcolor="black" tag="width=640 border=0
cellspacing=0 bgcolor=#E9E9E9" -->]
```

```
<tr>
```

```
<td background="[ds$URL_ResourceDIR]search_line.gif" colspan=4> </td>
```

```
</tr>
</table>
```

```
</font>
[ds$Message <!-- head = "<h3>" tail = "</h3>" -->]
<br>
```

```
<!--ds$List_Begin -->
<table width=640 align=center>
<tr>
<td height="35" width=630 align="right">&nbsp;&nbsp;&nbsp;<span style='font-size:12pt;'><font
face='arial'>Total : [ds$SitesNum_Total] </font></span></td>
</tr>
</table>
```

```
<TABLE border=0 cellpadding=2 cellspacing=1 width=640 align=center>
<tr>
<td bgcolor="#B4D1E9" width=10% align=center><font face="arial">NO</font></td>
<td bgcolor="#B4D1E9" align=center><font face="arial">Title</font></td>
<td bgcolor="#B4D1E9" width=10% align=center><font
face="arial">Writer</font></td>
<td bgcolor="#B4D1E9" width=10% align=center><font face="arial">Date</font></td>
</tr>
```

```
<!--ds$Item_Begin -->
[ds$ItemDBExtCGI <!--
cgi="http://172.16.100.213/~essence/cgi_handler/viewext.php" count=10 -->]
<!--ds$Item_End -->
```

```
</table>
```

```
<!--ds$List_End -->
```

```
[ds$PageMap <!-- head="<table width=600 align=center><tr><td align=center><font size=2
face=arial,Helvetica><b>" tail="</b></font></td></tr></table>" -->]
<!--ds$Result_End -->
```

</BODY></HTML>

- **CGI Program that Connects with the Template**

To retrieve and display data items in a remote DB, DeepSearch must use CGI to search that DB, retrieve, and then display items on the result page. In order to search this DB, you must send the argument value of CGI of an item on the result page in place of URL argument value.

Argument data form that accepts CGI Connecting Program

-Argument name: zp      -Item delimiter inside zp argument value: ␣ (ASCII Code 1)

-Argument values behind “?” of found URL come in as zp data.

-zo and zw are order and weight (relevance) values respectively.

i.e.- viewext.php

<?php

```
include ("DOCUMENT_ROOT/connect.inc");
```

```
$string = $zp;
```

```
for($n=0; $n < strlen($string); $n++){
```

```
    if( $string[$n] == chr(1)){
```

```
        $str_item = substr($string, 0, $n+1);
```

```
        $string = substr($string, $n+1, strlen($string) - $n );
```

```
        $n = 0;
```

```
        $startpos = 0;
```

```
        $stat = 0;
```

```
        $no = -1 ;
```

```
        for($i=0; $i < strlen($str_item); $i++){
```

```
            if(!strcmp("zo=" , $str_item[$i] . $str_item[$i+1].
```

```
$str_item[$i+2])){
```

```
                $startpos = $i +3;
```

```
                $stat = 1;
```

```
            }
```

```
            if(!strcmp("zw=" , $str_item[$i] . $str_item[$i+1].
```

```
$str_item[$i+2])){
```

```
                $startpos = $i +3;
```

```

                $stat = 2;
            }

            if(!strcmp("no=" , $str_item[$i] . $str_item[$i+1].
$str_item[$i+2])){

                $startpos = $i +3;
                $stat = 3;
            }

            if( ('&' == $str_item[$i] || chr(1) == $str_item[$i]) &&
$startpos > 0){

                if ($stat == 1)    $zo = substr($str_item,
$startpos, $i - $startpos);

                if ($stat == 2)    $zw = substr($str_item,
$startpos, $i - $startpos);

                if ($stat == 3)    $no = substr($str_item,
$startpos, $i - $startpos);

                $startpos =0;
                $stat = 0;
            }
        }
        if( $no != -1 ){
            $que1 = " select * from board where no = '$no' ";
            $result1 = mysql_query($que1,$connect);
            $row = mysql_fetch_array($result1);
            $title = "<a
href='http://xo.namo.co.kr/~essence/cgi_handler/view.php?gbn=" . $row[gubun] . "&no=" . $no .
">" . $row[subject] . "</a>";

            $writer = stripslashes($row[writer]);
            $tdate  = substr($row[tdate],0,4) . '/' . substr($row[tdate],4,2) .
 '/' . substr($row[tdate],6,2);
        }

        echo("
        <tr>
            <td bgcolor=#EFEFEF  width=10% align=center><font
face='Arial'>$zo</font></td>

```

```
<td bgcolor=#EFEFEF align=left><font face='Arial'>$title</font></td>
<td bgcolor=#EFEFEF width=10% align=center><font
face='Arial'>$writer</font></td>
<td bgcolor=#EFEFEF width=10% align=center><font
face='Arial'>$date</font></td>
</tr>");
}
}
?>
```

#####

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