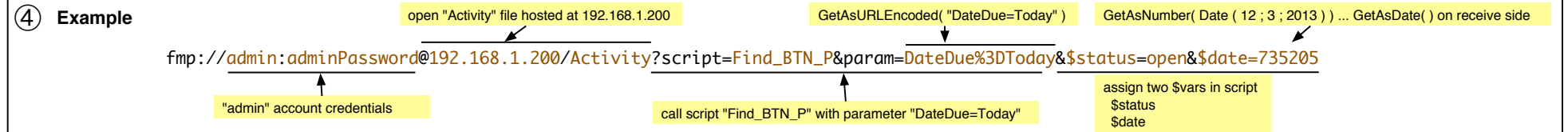
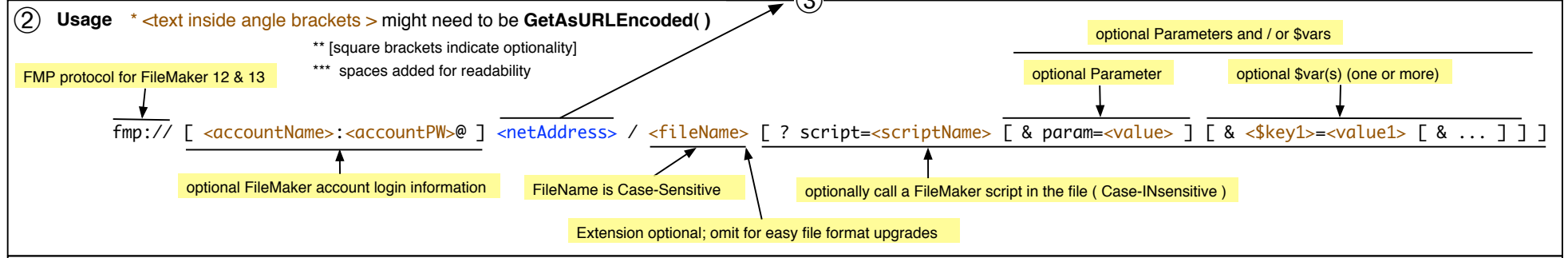


The **fmp7://**, **fmp7script://**, and **fmp://** URL protocols offer FileMaker developers awesome possibilities. They can be used to control FileMaker solutions from outside or from inside. Examples include: from a web page, another application, or a FileMaker Web Viewer.

Thanks to many for help making this info-graphic better. Remaining errors are ours. Details, updates, "shout outs", and feedback here: http://www.twdesigns.com/fmp_url_protocol

①	Target File	FileMaker 11					12	13	13.0v2	Net Address (aka. location) can be:
		fmp7://	fmp7script://	fmp://						
Desktop 	hosted	✓	✗	✓	✓	✓			1. Hosted on a FileMaker Server 1a. DNS name <code>fmp://host.domain.com/Activity.fmp12</code> 1b. IPv4 <code>fmp://192.168.1.200/Activity.fmp12</code> 1c. IPv6 <code>fmp://[2001:0DB8:85A3:08D3:1319:8A2E:0370:7334]/Activity.fmp12</code> 2. Hibernated file already open (\$) <code>fmp://\$/Activity.fmp12</code> 3. Local device Document folder (~) <code>fmp://~/Activity.fmp12</code>	
	hibernated zZ	✗	✗	✗	✗	✓				
	local	✗	✗	✗	✗	✓				
iOS 	hosted	?	✓	✓	✓	✓				
	hibernated zZ	?	✓	✓	✓	✓				
	local	?	✓	✓	✓	✓				



⑤ Code Sample fits this page...very basic (and inflexible)...for better code, check the web page.

```

Script Name: Build FMP URL protocol (simple)
#
Set Variable [$protocol; Value:"fmp://"]
Set Variable [$account_name; Value:"admin"]
Set Variable [$account_pw; Value:"adminPassword"]
Set Variable [$net_address; Value:"192.168.1.200"]
Set Variable [$file_name; Value:"Activity"]
Set Variable [$script_name; Value:"Find_BTN_P"]
Set Variable [$param; Value:GetAsURLEncoded( "DateDue=Today" )]
Set Variable [$var1_string; Value:"$status=open"]
Set Variable [$var2_string; Value:"$date=" & GetAsNumber( Date ( 12 ; 3 ; 2013 ) )]
#
Set Variable [$fmp_url_protocol; Value:$protocol & $account_name & ":" & $accou
    
```

⑥ URL Encoding

Safe characters per RFC3986 §2.3 :

* space	" "	%20
* alphanum	[a-z][A-Z][0-9]	
* hyphen	"_"	
* underscore	"_"	
* period	"."	
* tilde	"~"	
* equal	"="	%3D
* question mark	"?"	%3F
* ampersand	"&"	%26
* colon	":"	%3A
* at symbol	"@"	%40
* slash	"/"	%2F
* dollar sign	"\$"	%24

The FileMaker function **GetAsURLEncoded()** will encode all non-safe characters. There is no **GetAsURLDecoded()** function. Use URL safe chars, or a custom Decode calculation.

Max Character Length 2,083 (IE engine) 80,000+ (Safari webkit)

- ⑦ Source Documents
- http://www.filemaker.com/help/12/fmp/html/sharing_data.16.7.html
 - http://www.filemaker.com/help/12/fmp/html/sharing_data.16.8.html
 - http://help.filemaker.com/app/answers/detail/a_id/11358/
 - <http://www.isolutions-inc.com/?p=1727>