

Module Comparison Perl vs. PHP

This article shows the differences of functionality of LoxBerry's Perl modules and LoxBerry's PHP modules. It is mainly meant as a quick reference for module developers.

The functions and variables are developed as similar as possible, but differences of the call syntax is unavoidable. Because the PHP modules are new, Perl legacy code was avoided in the PHP code.

LoxBerry::System vs. loxberry_system.php

Provides basic functions to query and set information from users settings at LoxBerry, e.g. the plugins and the Miniservers.

Function	Description	Perl LoxBerry::System	PHP loxberry_system.php	More information
Plugin Global Variables	Global Variables for the path to Plugin directories	AVAILABLE	AVAILABLE	PHP: Globals and Constants
System Global Variables	Global Variables for the system directories	AVAILABLE	AVAILABLE	
get_miniservers	Reads the Miniserver list from general.cfg	AVAILABLE	AVAILABLE	
get_miniserver_by_ip	Get Miniserver number by IP address	AVAILABLE	AVAILABLE	
get_miniserver_by_name	Get Miniserver number by it's name	AVAILABLE	AVAILABLE	
get_binaries	Get a hash of all system binaries	AVAILABLE	AVAILABLE	
pluginversion	Return Plugin version of plugin database	AVAILABLE	AVAILABLE	
pluginloglevel	Returns the loglevel of the plugin	AVAILABLE		
plugindata	Returns plugin data for a specific plugin	AVAILABLE	AVAILABLE	
get_plugins	Returns an array of all plugins	AVAILABLE	AVAILABLE	
lbversion	Returns LoxBerry system version	AVAILABLE	AVAILABLE	
systemloglevel	Returns the LoxBerry system loglevel	AVAILABLE		
get_ftpport	Returns the FTP port of Miniserver (incl. Cloud DNS)	AVAILABLE	AVAILABLE	
get_localip	Returns the current IP address as string	AVAILABLE	AVAILABLE	
lbleanguage	Returns LoxBerrys language from GET, POST or system setting	AVAILABLE	AVAILABLE	
readlanguage	Collects the translations and returns a hash/array	AVAILABLE	AVAILABLE	
lbhostname	Returns current LoxBerry hostname	AVAILABLE	AVAILABLE	
lbfriendlyname	Returns the user set friendlyname	AVAILABLE	AVAILABLE	
lbwebserverport	Returns the Apache2 port of LoxBerry	AVAILABLE	AVAILABLE	
is_enabled	Returns 1/True for fuzzy enabled strings	AVAILABLE	AVAILABLE	
is_disabled	Returns 0/True for fuzzy disabled strings	AVAILABLE	AVAILABLE	
trim	Trims blanks	AVAILABLE	AVAILABLE	PHP: System function
ltrim	Trims left blanks	AVAILABLE	AVAILABLE	PHP: System function
rtrim	Trims right blanks	AVAILABLE	AVAILABLE	PHP: System function
begins_with	Returns true if one string begins with a other string	AVAILABLE	AVAILABLE	PHP: <code>if(strpos(\$str, "http://") === 0)</code>
curtime	Returns the current time in different formats	AVAILABLE	AVAILABLE	

check_securepin	Checks the submitted securepin against the database	AVAILABLE	N/A
reboot_required	Sets the reboot required state with optional text.	AVAILABLE	AVAILABLE
diskspaceinfo	Returns diskpace infos for a specific path or all volumes	AVAILABLE	N/A
lock / unlock	Locks and unlocks a file to prevent multiple execution	AVAILABLE	
bytes_humanreadable	Creates a human-readable string from a filesize	AVAILABLE	
read_file	Reads a full file in one pass	AVAILABLE	
Usable for plugins	Features are supported to be used in Plugins	FULL	FULL
Usable for system widgets	System widgets are LoxBerry's own configuration "plugins", shown on the Settings page.	FULL	FULL

LoxBerry::Web vs. loxberry_web.php

Functions to generate the user interface, and add pre-rendered html code to simplify ui generation.

Function	Description	Perl LoxBerry::Web	PHP loxberry_web.php	More information
\$lbpluginpage, \$lbsystempage	Global vars to LoxBerry's index page	AVAILABLE	AVAILABLE	This should be used if your plugin links back to LoxBerry's Plugin overview
lbheader	Prints the header template including help	AVAILABLE	AVAILABLE	
lbfooter	Prints the footer template	AVAILABLE	AVAILABLE	
head	Prints the template <head> including <body> start tag	AVAILABLE	AVAILABLE	
pagestart	Prints the jQuery Mobile page start template including help	AVAILABLE	AVAILABLE	
pageend	Prints the jQuery Mobile page end template	AVAILABLE	AVAILABLE	
foot	Prints the template foot	AVAILABLE	AVAILABLE	
get_plugin_icon	Returns the URI of the plugin icon in specified size	AVAILABLE	AVAILABLE	
iso_languages	Returns all or only translated ISO 639-1 languages	AVAILABLE	N/A	PHP: As this feature is primary for LoxBerry-Core, no PHP feature is planned
Navigation Bar (Perl)	Prints navigation on top of the page	AVAILABLE	AVAILABLE	
logfile_button_html	Returns the full html code to display a dynamic logfile button	AVAILABLE		
loglist_url	Returns the link to a list of logfiles of a plugin	AVAILABLE		
loglist_button_html	Returns the full html code to display a button to the logfile list	AVAILABLE		
mslist_select_html	Returns html for a Miniserver selection dropdown	AVAILABLE		
loglevel_select_html	Returns html for a loglevel selection dropdown	AVAILABLE		
loglist_html	Returns html showing a list of logfiles	AVAILABLE		
Usable for plugins	Functions can be used in plugins	FULL	FULL	
Usable for system widgets	System widgets are LoxBerry's own configuration "plugins", shown on the Settings page.	FULL	LIMITED	System help files currently not supported (untested).

LoxBerry::Storage vs. loxberry_storage.php

Functions for storage devices like usb and network shares.

Function	Description	Perl LoxBerry::Storage	PHP loxberry_storage.php	More information
get_netshares	Returns an array of all reachable Network Shares	AVAILABLE	N/A	Could be used to create a <select>-list with available network shares.
get_netservers	Returns an array of all reachable Network Servers (which offers shares)	AVAILABLE	N/A	Core-function
get_usbstorages	Returns an array of all conneted USB Storage devices	AVAILABLE	N/A	Could be used to create a <select>-list with available usb storage devices.
get_storage	Returns an array of all storage devices (combined USB and Shares)	AVAILABLE		
get_storage_html	Returns a ready html+js for a storage selection dropdown (e.g. to provide users to select a location)	AVAILABLE		

LoxBerry::Log vs. loxberry_log.php

Library to create and show logfile, and handles notifications.

Function	Description	Perl LoxBerry::Log	PHP loxberry_log.php	More information
Logging class (methods to a log object)				
new	Constructor for a new logging session	AVAILABLE		
LOGSTART / LOGEND	Starting and finishing the logging session	AVAILABLE		
loglevel	Queries and sets the loglevel	AVAILABLE		
autoraise	On a LOGCRIT log entry, auto-raises the loglevel to 6	AVAILABLE		
filehandle	LEGACY for LB <1.2.5	DEPRECATED		
filename	Returns the current filename	AVAILABLE		
dbkey	Returns the current database key	AVAILABLE		
addtime	Adds the current time to every logline	AVAILABLE		
logtitle	Changes the title of the log during logging	AVAILABLE		
default	On multiple opened logs, set one log to the default logfile	AVAILABLE		
Logfile handling functions				
get_logs	Returns an array with all logs, with filters by parameter	AVAILABLE		
Notification functions				
notify	Creates an info or error notification	AVAILABLE		
notify_ext	Creates a notification with extended parameters	AVAILABLE		
get_notifications	Returns an array with all notifications, selected by parameters	AVAILABLE		
get_notification_count	Returns the number of notifications, selected by parameters	AVAILABLE		
delete_notifications	Deletes all notifications, selected by parameters	AVAILABLE		
delete_notification_key	Deletes a specific notification by key	AVAILABLE		
get_notifications_html	Returns ready html+js for a list of notifications	AVAILABLE		

LoxBerry::IO vs. loxberry_io.php

Functions to easily communicate to the Miniserver

Function	Description	Perl LoxBerry::IO	PHP loxberry_io.php	More information
mshhttp_send	Sends values to Miniserver's HTTP REST API	AVAILABLE		
mshhttp_send_mem	Sends values to Miniserver's HTTP REST API, using caching	AVAILABLE		
mshhttp_get	Reads values from Miniservers HTTP REST API	AVAILABLE		
mshhttp_call	Raw function to send or read data via HTTP REST API	AVAILABLE		
msudp_send	Sends values via UDP to the Miniserver	AVAILABLE		
msudp_send_mem	Sends values via UDP to the Miniserver, using caching	AVAILABLE		

LoxBerry::JSON (PHP not available)

Class to simplify working with json (config) files

Function	Description	Perl LoxBerry::JSON	PHP not available	More information
new	Constructor for a json object	AVAILABLE		
parse	Parse an already available json string	AVAILABLE		
open	Opens and parses a json file	AVAILABLE		
write	Saves a changed file to disk, using change detection	AVAILABLE		
filename	Queries the current filename, or sets a new filename	AVAILABLE		
find	Find a string in an object in the json (array or named list)	AVAILABLE		
dump	Dumps the content of the json to stderr	AVAILABLE		