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# Exploring the ClientStorage Plugin

## Overview

Client Storage plugin. It provides the user with a mechanism for permanent data storage using the client scope and WDDX.

## clearAll

Clear the entire coldbox client storage

## Returns

- This function returns *void*

## Examples

```
// Clear the entire client storage
getPlugin("ClientStorage").clearAll();
```

## exists

Checks wether the permanent variable exists.

## Returns

- This function returns *boolean*

## Arguments

Key	Type	Required	Default	Description
name	string	Yes	---	The variable name to retrieve.

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## Examples

```
if ( getPlugin("ClientStorage").exists("userData" ) {
    // use the data
}
```

## getVar

Get a new permanent variable. If the variable does not exist. The method returns blank.

### Returns

- This function returns *any*

### Arguments

Key	Type	Required	Default	Description
name	string	Yes	---	The variable name to retrieve.
default	any	No		The default value to set. If not used, a blank is returned.

## Examples

```
// No default
var userData = getPlugin("ClientStorage").getVar("userData");

// With Default
var data= getPlugin("ClientStorage").getVar("userData", structNew() );
```

## setVar

Set a new permanent variable.

### Returns

- This function returns *void*

### Arguments

Key	Type	Required	Default	Description
-----	------	----------	---------	-------------

name	string	Yes	---	The name of the variable.
value	any	Yes	---	The value to set in the variable.

## Examples

```
// Prepare data, can be simple or complex
userData = {
    name = "Luis Majano",
    created = now(),
    nicknames = ["Captain Awesome", "Pio"],
    awesomeLevel = "high"
};
getPlugin("ClientStorage").setVar("userData", userData);
```

## getStorage

Get the entire storage scope structure

### Returns

- This function returns *struct*

## Examples

```
var clientStorage = getPlugin("ClientStorage").getStorage();
```

## deleteVar

Tries to delete a permanent client var.

### Returns

- This function returns *boolean*

## Arguments

Key	Type	Required	Default	Description
name	string	Yes	---	The variable name to retrieve.

## Examples

```
getPlugin("ClientStorage").deleteVar("userData");
```