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Exploring the ClusterStorage Plugin

Overview

Cluster Storage plugin. It provides the user with a mechanism for permanent data storage using the Cluster scope. This plugin creates a special variable in cluster scope that correctly identifies the coldbox app.

Important : This plugin only works under [Railo CFML Engine](#) and its *cluster* scope

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"
```

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```
};
getPlugin("ClusterStorage").setVar("userData", userData);
```

getVar

Get a new permanent variable. If the variable does not exist. The method returns blank unless using the default return argument.

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("ClusterStorage").getVar("userData");

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

removeStorage

remove the entire storage from scope

Returns

- This function returns *void*

Examples

```
// Remove the entire cluster storage
getPlugin("ClusterStorage").removeStorage();
```

exists

Checks whether the permanent variable exists.

Returns

- This function returns *boolean*

Arguments

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

Examples

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

clearAll

Clear the entire coldbox cluster storage

Returns

- This function returns *void*

Examples

```
getPlugin("ClusterStorage").clearAll();
```

deleteVar

Tries to delete a permanent cluster variable. Returns True if deleted.

Returns

- This function returns *boolean*

Arguments

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

Examples

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

getStore

Get the entire storage scope structure

Returns

- This function returns *struct*

Examples

```
var clusterStore = getPlugin("ClusterStorage").getStore();
```