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Reference for package 'lazJsonPropStorage'

Units

[JSONPropStorage](#) Contains a component that stores Form Session Properties in JSON format.

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Class hierarchy

- TObject
 - TFormPropertyStorage
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Reference for unit 'JSONPropStorage'
([#lazJsonPropStorage](#))

Reference for unit 'JSONPropStorage'

Contains a component that stores Form Session Properties in JSON format.

uses

System,

Classes,

SysUtils,

Forms,

JSONConf, This unit contains the implementation of a path/value pair generic container in JSON format. See package: [fcl-json](#).

LazUTF8;

Overview

In this unit you can find an implementation of a name/value pair storage container in JSON format.

This container will get the Form's Session Properties that you setup in **TForm.SessionProperties** and read/write them on the file you specify on [TJSONPropStorage.JSONFileName](#).

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Reference for unit 'JSONPropStorage'
([#lazJsonPropStorage](#))

TCustomJSONPropStorage

[[Properties \(by Name\)](#)] [[Methods \(by Name\)](#)] [[Events \(by Name\)](#)]

Implements the base class for the JSON Form's Session Properties Storage.

Declaration

Source position: JSONPropStorage.pas line 30

```
type TCustomJSONPropStorage  
=  
class(TFormPropertyStorage)  
end;
```

protected

```
function GetJSONFileName;  
virtual;
```

Getter for the property
[TCustomJSONPropStorage.JSONFileName](#).

```
function RootSection;  
override;
```

Returns the name of the RootSection.

```
function GetFormatted;
```

Getter for the property
[TCustomJSONPropStorage.Formatted](#).

```
procedure SetFormatted();
```

Setter for the property
[TCustomJSONPropStorage.Formatted](#).

```
function FixPath();  
virtual;
```

Turns '.' notation into '/' notation for the
xpath-ish [JSONConf](#) underlayer.

```
property JSONConf:  
TJSONConfig; [r]
```

Instance of the object that implements a
generic path/value pair storage.

public

procedure
[StorageNeeded](#)(); override;

Aks the underlying storage object for an entry

procedure [FreeStorage](#);
override;

Frees an entry from the underlying storage object.

function [DoReadString](#)();
override;

Implements the actual reading of a value from the underlying storage container.

procedure
[DoWriteString](#)(); override;

Implements the actual writing of a value from the underlying storage container.

procedure
[DoEraseSections](#)();
override;

Erases a section from the underlying storage container.

property [JSONFileName](#):
string; [rw]

Name of the file where the property data is saved in JSON format.

property [RootObjectPath](#):
string; [rw]

Name of the root object path on your JSON file.

property [Formatted](#):
Boolean; [rw]

This determines if the JSON is to be formatted or not.

Inheritance

[TCustomJSONPropStorage](#)

Implements the base class for the JSON Form's Session Properties Storage.

|

TFormPropertyStorage

?

TObject

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Reference for unit 'JSONPropStorage'
([#lazJsonPropStorage](#))

TJSONPropStorage

[\[Properties \(by Name\)\]](#) [\[Methods \(by Name\)\]](#) [\[Events \(by Name\)\]](#)

Implements the final class for the JSON Form Session Properties.

Declaration

Source position: JSONPropStorage.pas line 58

```
type TJSONPropStorage =  
class(TCustomJSONPropStorage)  
end;
```

published

property [StoredValues](#);

Object that can contain other property/value pairs

property [JSONFileName](#): string;

Name of the file where the property data is saved in JSON format.

property [Formatted](#): Boolean;

This determines if the JSON file is formatted or not.

property [Active](#);

This determines if the object is active or not.

property [OnSavingProperties](#);

Called before saving the properties.

property [OnSaveProperties](#);

Called after saving the properties.

property [OnRestoringProperties](#);

Called before restoring the properties.

property [OnRestoreProperties](#);

Called after restoring the properties.

Inheritance

[TJSONPropStorage](#)

Implements the final class for the JSON Form Session Properties.

|

[TCustomJSONPropStorage](#)

Implements the base class for the JSON Form's Session Properties Storage.

|

TFormPropertyStorage

?

TObject

See also

TForm.SessionProperties

TINIPropStorage

TXMLPropStorage

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Reference for unit 'JSONPropStorage'
([#lazJsonPropStorage](#))

Reference for unit 'JSONPropStorage': Classes

[TCustomJSONPropStorage](#) Implements the base class for the JSON Form's Session Properties Storage.

[TJSONPropStorage](#) Implements the final class for the JSON Form Session Properties.

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[TJSONPropStorage](#)

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Reference for unit 'JSONPropStorage'
([#lazJsonPropStorage](#))

TJSONPropStorage.JSONFileName

Name of the file where the property data is saved in JSON format.

Declaration

Source position: JSONPropStorage.pas line 61

published property [TJSONPropStorage](#).JSONFileName : string;

TCustomJSONPropStorage

pt ro [JSONConf](#)

[JSONFileName](#)

[RootObjectPath](#)

[Formatted](#)

[Formatted](#) ([TCustomJSONPropStorage](#))

pt ro [JSONConf](#) ([TCustomJSONPropStorage](#))

[JSONFileName](#) ([TCustomJSONPropStorage](#))

[RootObjectPath](#) ([TCustomJSONPropStorage](#))

TCustomJSONPropStorage

pt [GetJSONFileName](#)

pt [RootSection](#)

pt [GetFormatted](#)

pt [SetFormatted](#)

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[StorageNeeded](#)

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[DoReadString](#)

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pt [GetFormatted](#) ([TCustomJSONPropStorage](#))

pt [getJSONFileName](#) ([TCustomJSONPropStorage](#))

pt [RootSection](#) ([TCustomJSONPropStorage](#))

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[TCustomJSONPropStorage](#)

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Reference for unit 'JSONPropStorage'
([#lazJsonPropStorage](#))

TCustomJSONPropStorage.GetJSON

Getter for the property [TCustomJSONPropStorage.JSONFileName](#).

Declaration

Source position: JSONPropStorage.pas line 38

```
protected function TCustomJSONPropStorage.getJSONFileName: string;  
virtual;
```

Function result

The current value of the property [TCustomJSONPropStorage.JSONFileName](#).

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Reference for unit 'JSONPropStorage'
([#lazJsonPropStorage](#))

TCustomJSONPropStorage.JSONFile

Name of the file where the property data is saved in JSON format.

Declaration

Source position: JSONPropStorage.pas line 52

```
public property TCustomJSONPropStorage.JSONFileName : string  
  read FJSONFileName  
  write FJSONFileName;
```

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Reference for unit 'JSONPropStorage'
([#lazJsonPropStorage](#))

TCustomJSONPropStorage.RootSecti

Returns the name of the RootSection.

Declaration

Source position: JSONPropStorage.pas line 39

```
protected function TCustomJSONPropStorage.RootSection: string;  
override;
```

Function result

The current value of RootSection.

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Reference for unit 'JSONPropStorage'
([#lazJsonPropStorage](#))

TCustomJSONPropStorage.GetForma

Getter for the property [TCustomJSONPropStorage.Formatted](#).

Declaration

Source position: JSONPropStorage.pas line 40

```
protected function TCustomJSONPropStorage.GetFormatted: Boolean;
```

Function result

The current value of [TCustomJSONPropStorage.Formatted](#).

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Reference for unit 'JSONPropStorage'
([#lazJsonPropStorage](#))

TCustomJSONPropStorage.Formatter

This determines if the JSON is to be formatted or not.

Declaration

Source position: JSONPropStorage.pas line 54

```
public property TCustomJSONPropStorage.Formatted : Boolean  
  read GetFormatted  
  write SetFormatted;
```

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Reference for unit 'JSONPropStorage'
([#lazJsonPropStorage](#))

TCustomJSONPropStorage.SetForma

Setter for the property [TCustomJSONPropStorage.Formatted](#).

Declaration

Source position: JSONPropStorage.pas line 41

```
protected procedure TCustomJSONPropStorage.SetFormatted(
```

```
    Value: Boolean
```

```
);
```

Arguments

value *A Boolean* value to set the property
[TCustomJSONPropStorage.Formatted](#)

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Reference for unit 'JSONPropStorage'
([#lazJsonPropStorage](#))

TCustomJSONPropStorage.FixPath

Turns '.' notation into '/' notation for the xpath-ish [JSONConf](#) underlayer.

Declaration

Source position: JSONPropStorage.pas line 42

```
protected function TCustomJSONPropStorage.FixPath(
```

```
    const APath: string
```

```
):string; virtual;
```

Arguments

`APath` The path to be fixed.

Function result

The fixed path is returned with '.' replaced by '/'.

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Reference for unit 'JSONPropStorage'
([#lazJsonPropStorage](#))

TCustomJSONPropStorage.JSONCor

Instance of the object that implements a generic path/value pair storage.

Declaration

Source position: JSONPropStorage.pas line 44

```
protected property TCustomJSONPropStorage.JSONConf : TJSONConfig  
  read FJSONConf;
```

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Reference for unit 'JSONPropStorage'
([#lazJsonPropStorage](#))

TCustomJSONPropStorage.StorageName

Aks the underlying storage object for an entry

Declaration

Source position: JSONPropStorage.pas line 46

```
public procedure TCustomJSONPropStorage.StorageNeeded(
```

```
    ReadOnly: Boolean
```

```
); override;
```

Arguments

`ReadOnly` If the item is read-only.

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Reference for unit 'JSONPropStorage'
([#lazJsonPropStorage](#))

TCustomJSONPropStorage.FreeStora

Frees an entry from the underlying storage object.

Declaration

Source position: JSONPropStorage.pas line 47

```
public procedure TCustomJSONPropStorage.FreeStorage; override;
```

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Reference for unit 'JSONPropStorage'
([#lazJsonPropStorage](#))

TCustomJSONPropStorage.DoReadS

Implements the actual reading of a value from the underlying storage container.

Declaration

Source position: JSONPropStorage.pas line 48

```
public function TCustomJSONPropStorage.DoReadString(  
  
    const Section: string;  
  
    const Ident: string;  
  
    const Default: string  
  
):string; override;
```

Arguments

`Section` The section to be read.

`Ident` The ident to be read.

`Default` If has no value then return this as default.

Function result

The value of the section/ident requested.

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Reference for unit 'JSONPropStorage'
([#lazJsonPropStorage](#))

TCustomJSONPropStorage.DoWriteS

Implements the actual writing of a value from the underlying storage container.

Declaration

Source position: JSONPropStorage.pas line 49

```
public procedure TCustomJSONPropStorage.DoWriteString(  
  
    const Section: string;  
  
    const Ident: string;  
  
    const Value: string  
  
); override;
```

Arguments

Section The section to be written.

Ident The ident to be written.

value The value to be written.

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Reference for unit 'JSONPropStorage'
([#lazJsonPropStorage](#))

TCustomJSONPropStorage.DoEraseS

Erases a section from the underlying storage container.

Declaration

Source position: JSONPropStorage.pas line 50

```
public procedure TCustomJSONPropStorage.DoEraseSections(  
  
    const ARootObjectPath: string  
  
); override;
```

Arguments

`ARootObjectPath` The path to the section that will be erased.

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Reference for unit 'JSONPropStorage'
([#lazJsonPropStorage](#))

TCustomJSONPropStorage.RootObje

Name of the root object path on your JSON file.

Declaration

Source position: JSONPropStorage.pas line 53

```
public property TCustomJSONPropStorage.RootObjectPath : string  
  read FRootObjectPath  
  write FRootObjectPath;
```

TJSONPropStorage

pl ro [StoredValues](#)

pl ro [JSONFileName](#)

pl ro [Formatted](#)

pl ro [Active](#)

TCustomJSONPropStorage

pt ro [JSONConf](#)

[JSONFileName](#)

[RootObjectPath](#)

[Formatted](#)

pl ro [Active](#) ([TJSONPropStorage](#))

[Formatted](#) ([TCustomJSONPropStorage](#))

pl ro [Formatted](#) ([TJSONPropStorage](#))

pt ro [JSONConf](#) ([TCustomJSONPropStorage](#))

[JSONFileName](#) ([TCustomJSONPropStorage](#))

pl ro [JSONFileName](#) ([TJSONPropStorage](#))

[RootObjectPath](#) ([TCustomJSONPropStorage](#))

pl ro [StoredValues](#) ([TJSONPropStorage](#))

TJSONPropStorage

TCustomJSONPropStorage

pt [GetJSONFileName](#)

pt [RootSection](#)

pt [GetFormatted](#)

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pt [RootSection](#) ([TCustomJSONPropStorage](#))

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[StorageNeeded](#) ([TCustomJSONPropStorage](#))

TJSONPropStorage

pl ro [OnSavingProperties](#)

pl ro [OnSaveProperties](#)

pl ro [OnRestoringProperties](#)

pl ro [OnRestoreProperties](#)

TCustomJSONPropStorage

pl ro [OnRestoreProperties](#) ([TJSONPropStorage](#))

pl ro [OnRestoringProperties](#) ([TJSONPropStorage](#))

pl ro [OnSaveProperties](#) ([TJSONPropStorage](#))

pl ro [OnSavingProperties](#) ([TJSONPropStorage](#))

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Reference for unit 'JSONPropStorage'
([#lazJsonPropStorage](#))

TJSONPropStorage.StoredValues

Object that can contain other property/value pairs

Declaration

Source position: JSONPropStorage.pas line 60

published property [TJSONPropStorage](#).StoredValues;

Description

To keep other values safe in the same file, you can use this to manage a collection of property/value pairs.

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Reference for unit 'JSONPropStorage'
([#lazJsonPropStorage](#))

TJSONPropStorage.Formatted

This determines if the JSON file is formatted or not.

Declaration

Source position: JSONPropStorage.pas line 62

published property [TJSONPropStorage](#).Formatted : Boolean;

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[\[Index\]](#)

Reference for unit 'JSONPropStorage'
([#lazJsonPropStorage](#))

TJSONPropStorage.Active

This determines if the object is active or not.

Declaration

Source position: JSONPropStorage.pas line 63

published property [TJSONPropStorage](#).Active;

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Reference for unit 'JSONPropStorage'
([#lazJsonPropStorage](#))

TJSONPropStorage.OnSavingPropert

Called before saving the properties.

Declaration

Source position: JSONPropStorage.pas line 64

published property [TJSONPropStorage](#).OnSavingProperties;

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Reference for unit 'JSONPropStorage'
([#lazJsonPropStorage](#))

TJSONPropStorage.OnSavePropertie

Called after saving the properties.

Declaration

Source position: JSONPropStorage.pas line 65

published property [TJSONPropStorage](#).OnSaveProperties;

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Reference for unit 'JSONPropStorage'
([#lazJsonPropStorage](#))

TJSONPropStorage.OnRestoringProp

Called before restoring the properties.

Declaration

Source position: JSONPropStorage.pas line 66

published property [TJSONPropStorage](#).OnRestoringProperties;

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Reference for unit 'JSONPropStorage'
([#lazJsonPropStorage](#))

TJSONPropStorage.OnRestoreProper

Called after restoring the properties.

Declaration

Source position: JSONPropStorage.pas line 67

published property [TJSONPropStorage](#).OnRestoreProperties;