Cloud.Haskzure.Core

Core contains the core components of the project.

The AzureResource typeclass.

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License Apache 2.0
Maintainer aznashwan@yahoo.com
Stability experimental
Portability POSIX, Win32
Safe Haskell None

Haskell2010

AzureResource is the typeclass to which all AzureResource resource datatypes must comply in order to be deployed. It should be directly serializable to/from JSON.

Contents

The AzureResource typeclass.
The Resource ADT.

Language

Authentication data strutures and functions:

Minimal complete definition

```
rID, rName, rLocation, rType, rProperties
```

Methods

```
rID :: r -> Text
```

rID returns the Text ID of the AzureResource:

```
rName :: r -> Text #
```

rName returns the Text name of the AzureResource:

```
rLocation :: r -> Text #
```

rLocation returns the normalized String location of the AzureResource:

```
rType :: r -> Text #
```

rType returns the String Type of the AzureResource in 'Provider/ResourceType' form:

```
rProperties :: r -> a #
```

rProperties returns the set of properties specific to this AzureResource:

Instances

The Resource ADT.

```
data Resource a #
```

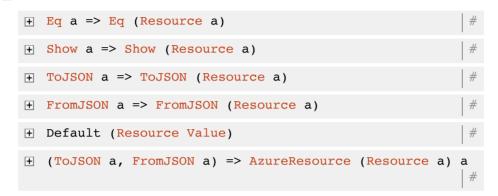
Resource defines the core Resource ATD which will be used to model Azure resources. Resource is an instance of AzureResource.

Resource is the basic implementation of a generic Azure resource:

Constructors

resID :: Text resID is the ID of the Resource: resName :: Text resName is the Name of the Resource: resLocation :: Text resLocation is the Location of the Resource: resType :: Text resType is the Type of Resource: resProperties :: a resProperties are the properties of the Resource:

□ Instances

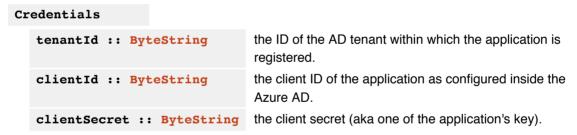


Authentication data strutures and functions:

data Credentials

The standard set of credentials required for Azure authentication.

Constructors



□ Instances

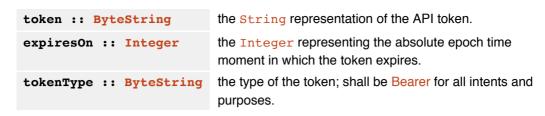


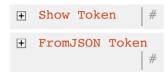
data Token

The datatype representing an Azure API token.

Constructors

Token





```
getToken :: Credentials -> IO (Either String Token)#
```

Requests and deserializes an API Token.