Ref : <https://www.youtube.com/watch?v=aqY5H95DZ8w>

**Ref2 : https://www.infragistics.com/community/blogs/dhananjay\_kumar/archive/2016/02/23/what-is-a-provider-in-angularjs.aspx**

The provider() function allows us to create a configurable service where we can set input per application for the service created using the provider (). For example, if we need to set API key to access a service on the application level, we can set that in the module config and pass input to the provider using the $provide service. All the others ways to create services internally use the $provide service.

<html>

<head>

<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.4.8/angular.min.js"></script>

</head>

<body ng-app="myApp" ng-controller="myController">

The password is {{password}}<br>

The name is {{name}}

</body>

<script>

var app = angular.module('myApp',[]);

app.provider('mySetting2',function(){

var nm = '';

this.setData = function(namePar){

nm = namePar;

}

this.$get = function(){

return {name : nm};

}

});

app.config(function(mySetting2Provider){

mySetting2Provider.setData('@@@123');

});

app.config(function($provide){

$provide.provider('mySetting',function(){

var pass = "##`123";

this.$get = function(){

return {password : pass};

}

});

});

app.controller('myController',function($scope,mySetting,mySetting2){

$scope.password = mySetting.password;

$scope.name = mySetting2.name;

});

</script>

</html>

**Live example :**

**<html>**

**<head>**

**<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.4.8/angular.min.js"></script>**

**</head>**

**<body ng-app="myApp" ng-controller="myController">**

**<button ng-click="showData()">Show Data </button> <br>**

**{{data}}**

**</body>**

**<script>**

**var app = angular.module('myApp',[]);**

**app.provider('firebaseConfig',function(){**

**var url = '';**

**this.setUrl = function(urlVal){**

**url = urlVal;**

**}**

**this.$get = function(){**

**return {url : url};**

**}**

**});**

**app.config(function(firebaseConfigProvider){**

**firebaseConfigProvider.setUrl('https://books-ad908.firebaseio.com/products.json');**

**});**

**app.controller('myController',function($scope,firebaseConfig,$http){**

**$scope.url = firebaseConfig.url;**

**$scope.showData = function(){**

**$http.get(firebaseConfig.url).then(function(res){**

**$scope.data = res;**

**}).catch(function(err){**

**console.log('The error is ')**

**console.log(err)**

**});**

**}**

**})**

**</script>**

**</html>**