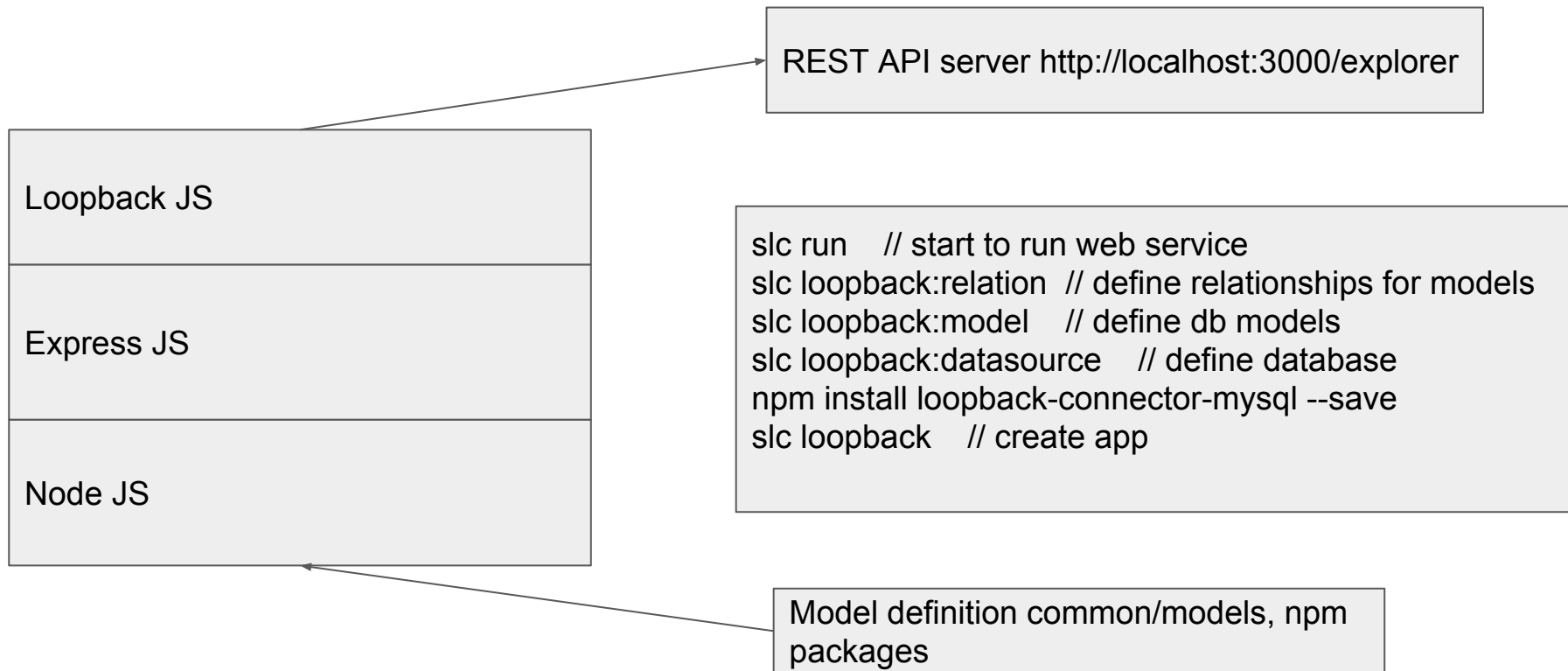


File Upload service in NodeJS Loopback

2016/4/6

NodeJS, Express, Loopback



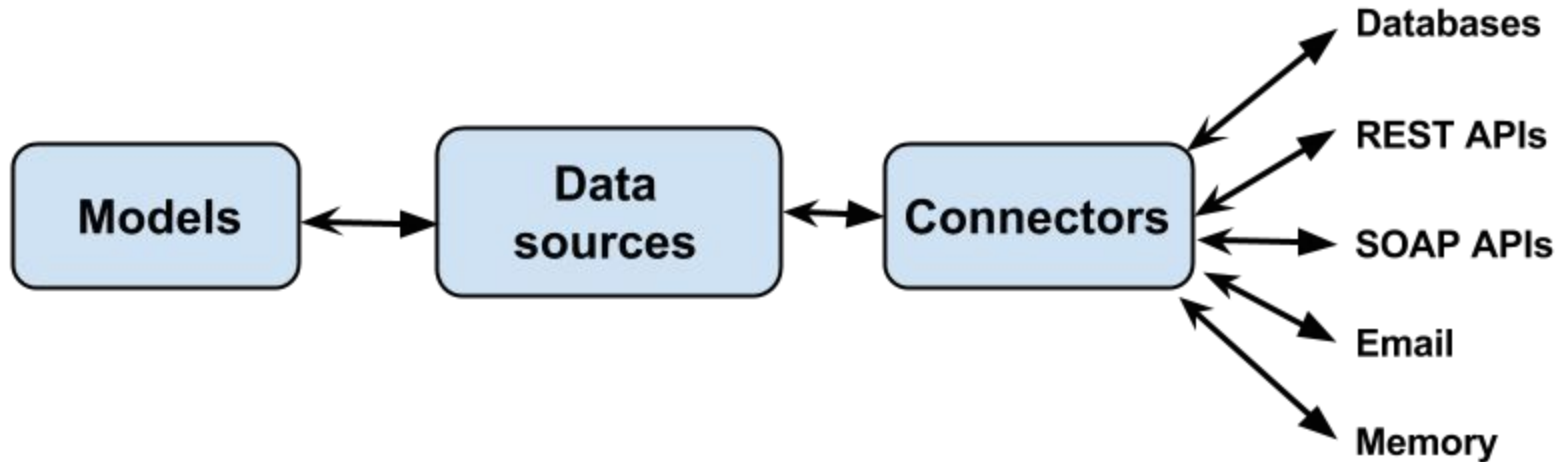
ExpressJS - web app framework in node js

Controller - For REST API http
request/response handling

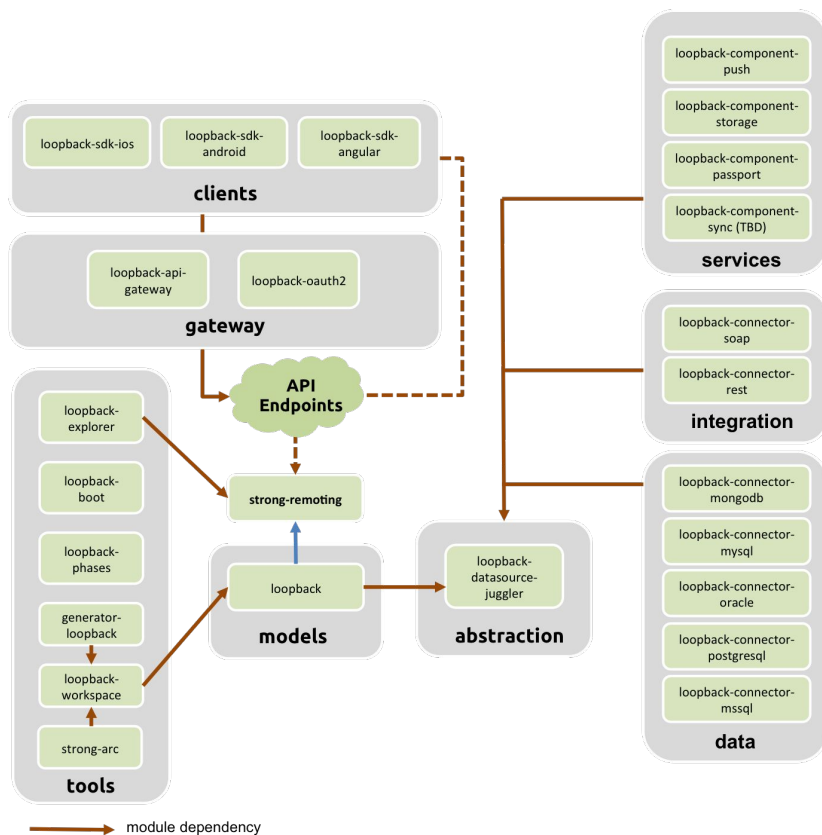
Routing - For REST API endpoint routing

```
var express = require('express');  
var app = express();  
  
app.get('/', function(req, res){  
  res.send('hello world');  
});  
  
app.listen(3000);
```

Model, Data Source, Connectors in Loopback



Loopback Framework Modules - Graphical view



Loopback Framework Components - Table view

Component	Description	Module name
Model	Model definition, common/models/*	loopback
Integration	System connectors for REST or SOAP API services	loopback-connector-rest, loopback-connector-soap
Abstraction	Abstract Model to physical data source, server/datasources.json and server/model- config.json	loopback-datasource-juggler
Initialization	Application initialize, server/boot/*, server/server.js	loopback-boot
Data	various data base connectors	loopback-connector-*sql
Tooling	CLI and graphical tools	generator-loopback, strong-arc
Services	Prebuilt services	loopback-component-storage

Install required packages

package.json defines required nodejs packages

npm install

to install the dependent packages defined in package.json

Loopback framework

Model to REST API by `slc loopback:model` in `PersistModel`

Each model has Create/Retrieve/Update/Delete REST API endpoints

User model is created by default, File model is for uploaded files for user

Build model to model relationships(one to many/belongs to)

Define file model object belongs to user model object

Components: storage component

Upload/download files to cloud or local storages

References (1/2)

[ExpressJS API](#) for routing and controller

[Core Concepts](#) to get a grip of what loopback framework contains

[API Docs](#) for general loopback API documents

[Storage Component](#) for file download/upload storage

[Loopback Framework Components](#)

[loopback-example-user-management](#) main reference to get user login/logout
github repo

References (2/2)

[NodeJS API framework](#)

[StrongLoop loopback github repo](#)

[StrongLoop blog](#)