Understanding OAuth in Node.js

OAUTH 2.0 IN ACTION

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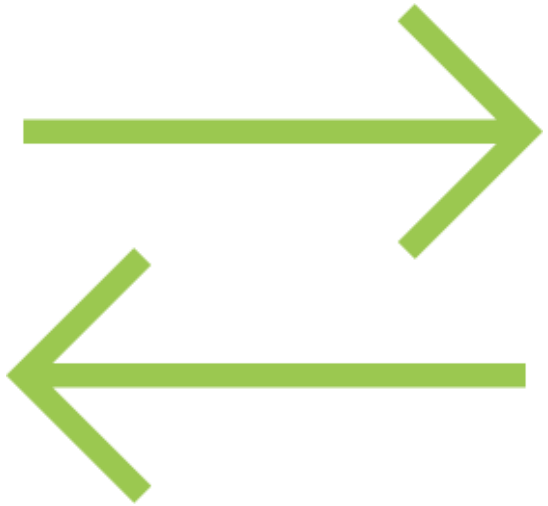
Globomantics' HR Initiative

Globomantics HR wants to save on healthcare

Partnership with Carved Rock Fitness

Credits for time spent at the gym

What's Necessary?



Communication

Globomantics' systems communicate with Carved Rock

Secure

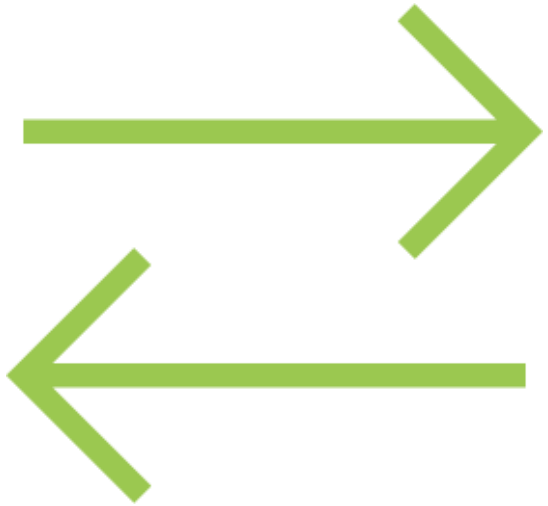
Data transferred in a secure manner

Permission

Employees have to give permission to share data

The solution: OAuth

How OAuth Helps



Communication

Uses HTTP/S protocol for easy communication

Secure

HTTPS friendly and requires authentication to use

Permission

Users control exactly what to share

How the Application Works

Globomantics employee (resource owner)

Employee authenticates to Carved Rock Fitness and authorizes Globomantics to receive their data

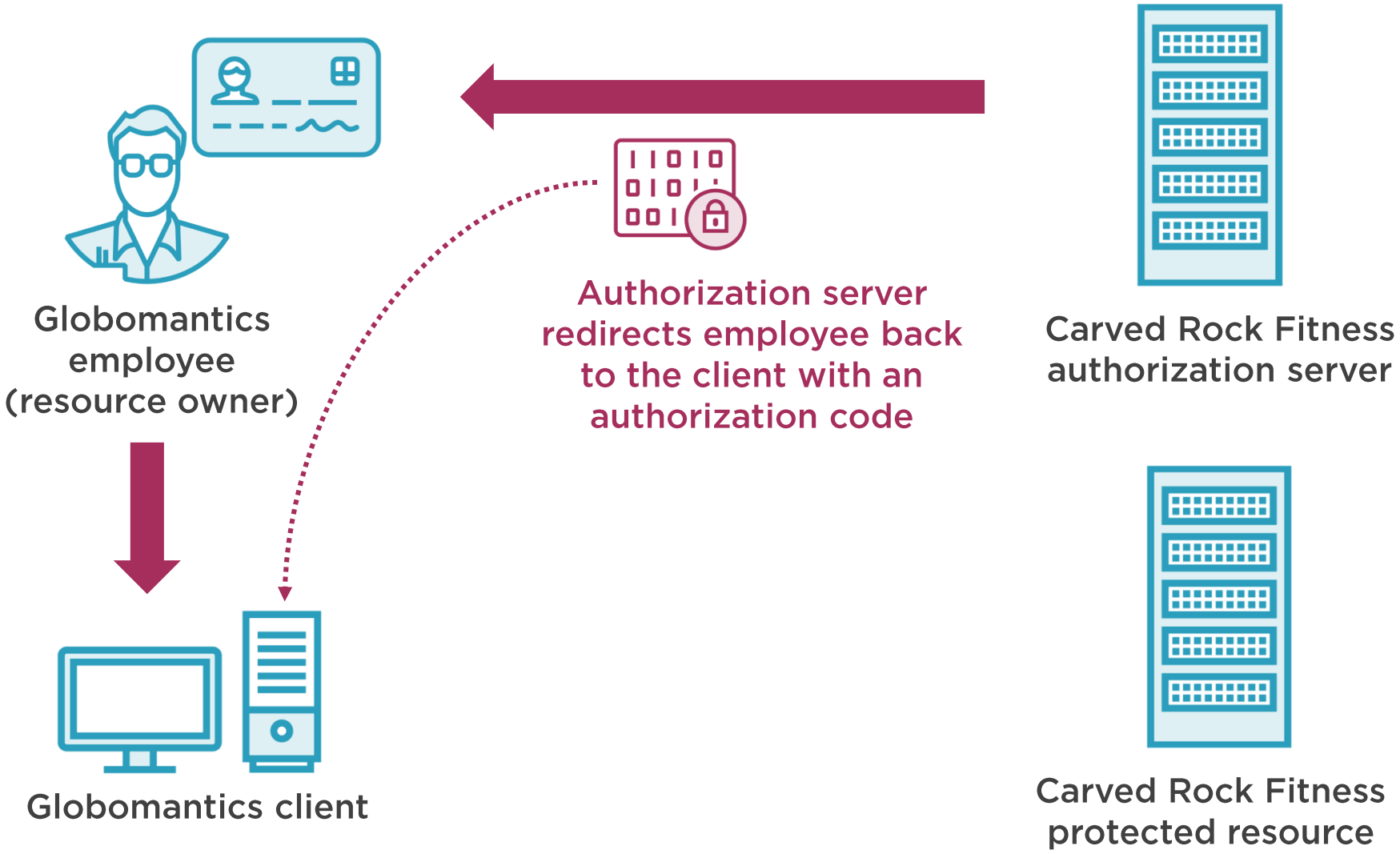
Carved Rock Fitness authorization server

Globomantics client app redirects user to Carved Rock Fitness authorization server

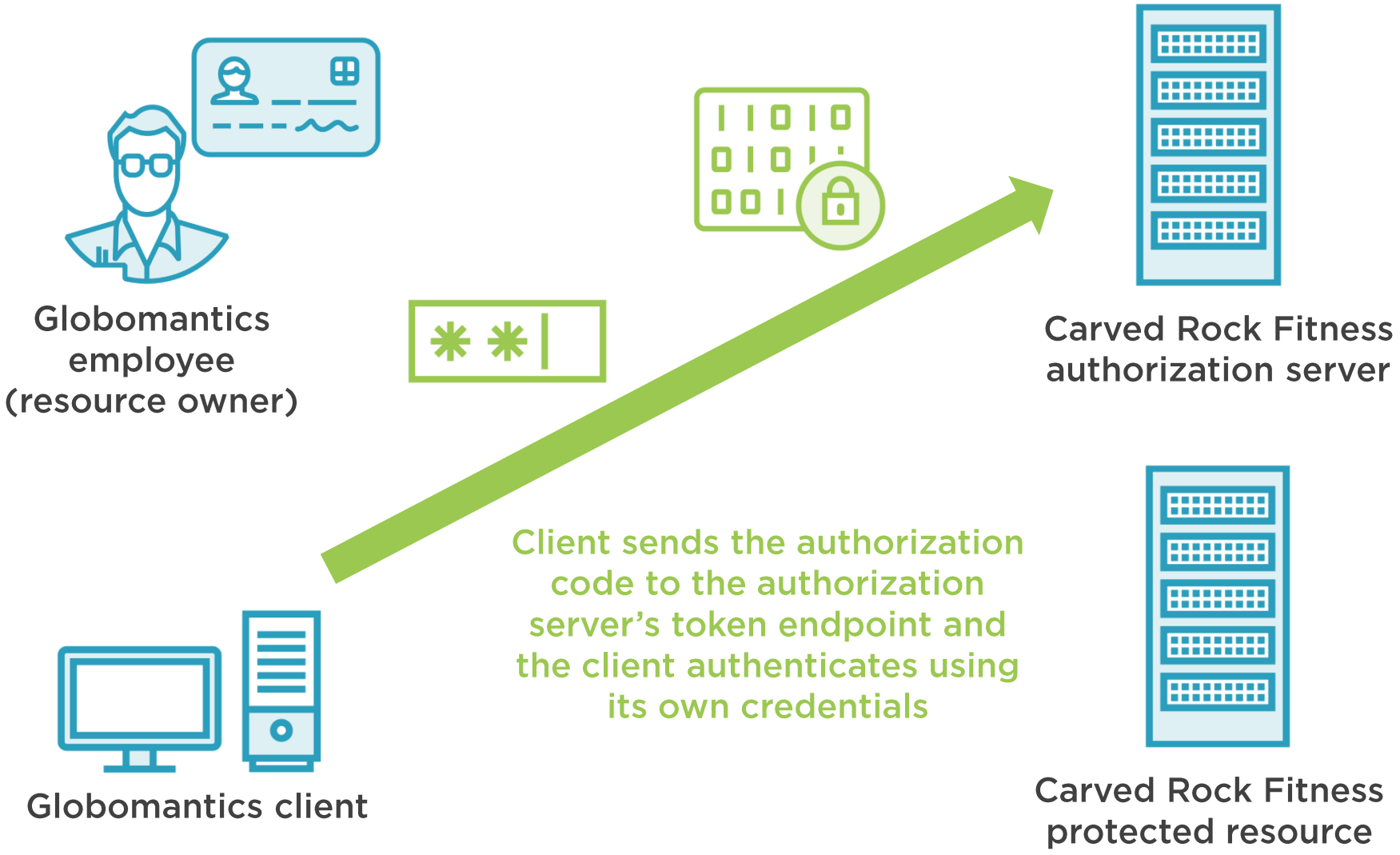
Globomantics client

Carved Rock Fitness protected resource

How the Application Works



How the Application Works



How the Application Works

Globomantics employee (resource owner)

Carved Rock Fitness authorization server

The authorization server sends the OAuth token back to the client

Globomantics client

Carved Rock Fitness protected resource

How the Application Works

Globomantics employee (resource owner)

Globomantics' HR system can now access the employees' workout data from the Carved Rock Fitness database

Carved Rock Fitness authorization server

Globomantics client

Carved Rock Fitness protected resource

Demo

Let’s see the application in action

Watch the flow from the employee’s viewpoint

Watch the HTTP requests to find out what’s happening under the hood

Summary

Globomantics launches a new HR initiative

They need an application that uses Carved Rock Fitness data to give discounts

They need three things

- Communication
- Security
- Employee permissions

OAuth is perfect for this use case

Employees authorize Globomantics' use of the data and get healthcare discounts

- Similar apps may be needed by your company