

Building the Protected Resource



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The Role of the Protected Resource



Verify the Token

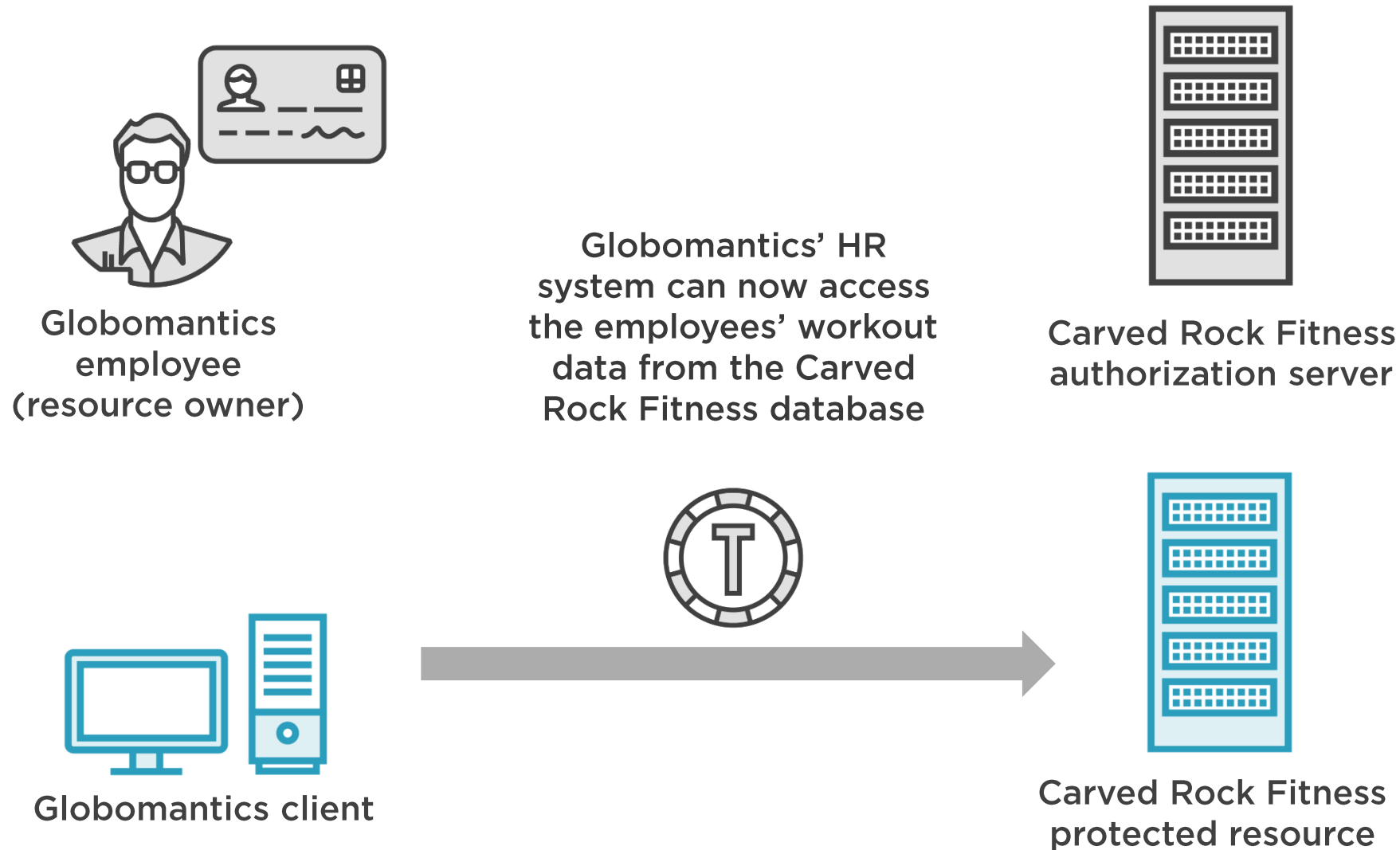
Verify the token passed from the client



Allow Access to Data

Send the requested data according to client scopes

Where the Protected Resource Fits



Protected Resource Vulnerabilities



Cross-site Scripting (XSS)



Common web API vulnerability

Application places untrusted data into the HTML response

Fix: Validate all inputs and HTML encode where necessary

Token Replay



Token is stolen through another vulnerability and replayed to the protected resource

Fix: Tokens with short expiration dates

Fix: Use TLS with HSTS to enforce TLS on all connections



Web API Security Risks



Protected resources could be vulnerable to any common web API vulnerabilities

Fix: Follow security best practices for web APIs

Pluralsight's Web Application Security Learning Path

- <https://app.pluralsight.com/paths/skills/web-application-security>



What Have We Learned?



The protected resource is the web API
the client is accessing

Implementing a protected resource in
Node.js

Protected Resource Vulnerabilities

- XSS
- Token replay
- Web API vulnerabilities

You have the tools, now build your
protected resource

