

Node and the HTTP Module

Jogesh K. Muppala



THE DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING
計算機科學及工程學系



香港科技大學
THE HONG KONG UNIVERSITY OF
SCIENCE AND TECHNOLOGY

Node HTTP Module

- Core networking module supporting a high-performance foundation for a HTTP stack
- Using the module:
`var http = require('http');`
- Creating a server:
`var server = http.createServer(function(req, res){ . . . });`
- Starting the server:
`server.listen(port, . . .);`

Node HTTP Module

- Incoming request message information available through the first parameter “req”
 - req.headers, req.body, . . .
- Response message is constructed on the second parameter “res”
 - res.setHeader("Content-Type", "text/html");
 - res.statusCode = 200;
 - res.writeHead(200, { 'Content-Type': 'text/html' });
 - res.write('Hello World!');
 - res.end('<html><body><h1>Hello World</h1></body></html>');

Node path Module

- Using path Module:
`var path = require('path');`
- Some example path methods:
`path.resolve('./public'+fileUrl);`
`path.extname(filePath);`

Node fs Module

- Use fs module in your application
`var fs = require('fs');`
- Some example fs methods:
`fs.exists(filePath, function(exists) { . . . });`
`fs.createReadStream(filePath).pipe(res);`

Exercise: Node and the HTTP Module

- Constructing a simple HTTP Server
- Constructs a server that returns html files from a folder