



Rapid application development in the cloud



An Internet of Things solution usually requires a back-end server to receive and process data coming from sensors. Cloud platforms allow new solutions to be created and deployed very rapidly without having to worry about how to host the application. This series of lessons introduces you to a cloud based Platform as a Service and an open source rapid application development environment called NodeRED.



⬆ Less

Introduction to a Platform as a Service - IBM Bluemix










- ▶ Introduction to IBM Bluemix - Agenda 27 sec
- ▶ Overview of Cloud Computing 3 min
- ▶ What is IBM Bluemix? 4 min
- A tour of IBM Bluemix 8 min
- ▶ IBM Bluemix Summary 35 sec
- 📖 Learning module summary: Introduction to Platform as a Service - IBM Bluemix 10 min

Rapid application development for Internet of Things







- ▶ Introduction to NodeRED - 1 7 min
- 📖 Deploy NodeRED to Bluemix using a Boilerplate - step by step 10 min
- ▶ Introduction to NodeRED - 2 7 min

-  Adding a new node - step by step 10 min
 -  Learning module summary: Rapid application development for Internet of Things 10 min
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NodeRED function node

-  The NodeRED Function node part 1 6 min
 -  Function node - step by step 10 min
 -  The NodeRED Function node part 2 6 min
 -  The NodeRED Function node part 3 5 min
 -  Making packages available to the function node - step by step 10 min
 -  **Quiz:** Using the function node 5 questions
 -  Submitting your first assignment 10 min
 -  **Programming Assignment:** Your First NodeRED application 3h
 -  Learning module summary: NodeRED function node 10 min
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Additional NodeRED nodes

-  NodeRED Additional node part 1 6 min
-  NodeRED Additional node part 2 6 min
-  Template node sample flow 10 min
-  NodeRED Additional node part 3 6 min
-  Controlling a node using input data 10 min
-  NodeRED Additional node part 4 6 min



Programming Assignment: NodeRED application 3h



Learning module summary: Additional NodeRED nodes 10 min

Upcoming session:

July 11 - August 14

Enrollment ends July 16

Enrolled

Following session begins July 25