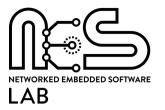
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Node-RED Fundamentals

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(version 0.1)

Outline

- Basics
- Function nodes
- Data sharing



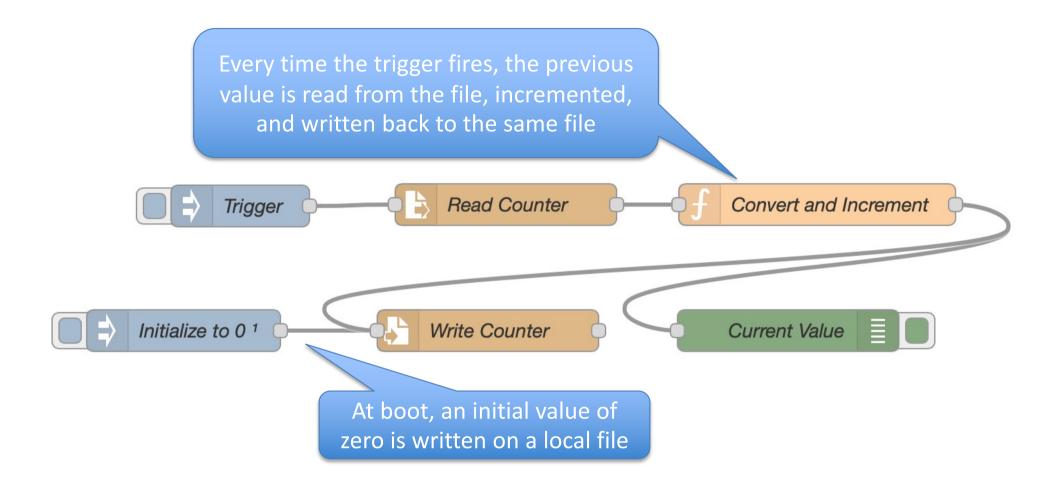
Data Sharing

Data Sharing

- Often, Node-red applications cannot be encoded in a single flow execution
- Data must be shared
 - Across different executions of the same block
 - Across different executions of the same flow
 - Across different flows
- Files are one way to achieve this



Example: Counter

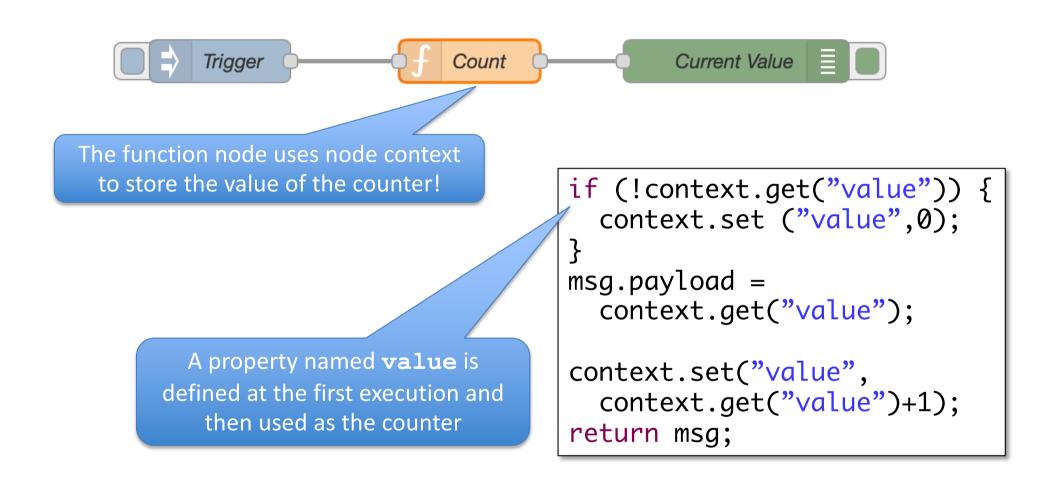


Find the code at: bit.ly/3J1i3Ql

Node Context

- A special context object exists for function nodes to retain state across invocations
- It only applies to individual nodes
- The context is re-initialized when deploying the flow
 - You generally need to use some external storage (a file, a db, ...) if you want state to be retained across deployment actions
 - You can also change the back-end of the context store in Node-RED configuration file

Example: Counter Revisited



Find the code at: bit.ly/3HQvbql

Flow and Global Context

- A context module also exists for sharing data across the entire flow or globally across flows of the same Node-RED instance
 - You may access these in JavaScript code using flow or global, instead of context
- The same limitations related to initialization and deployment apply as node context modules