

**RIDE 4.0 & 4.1**

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# Objectives of the presentation

- Introduce the development team.
- Review 4.0 release with new features.
- Give insight to potential 4.1 developments.



# Development Team

- Thank you to all the contributors.
- Thank you for all the bug reports. 😊
- Goodbye Nick.
- Introducing Optima...



Gil



Mike



Cal



# RIDE 4.0 Priorities

- Upwards Compatibility.
- Secure Communications.
- Floating Windows.
- Raspberry Pi Version.
- Zero Footprint Operation.
- SSH Tunnelled Connection.
- Workspace Explorer.
- Debug Panel ( Threads and Stack ).
- User Experience.
- Enhanced Search Functionality.
- Interpreter Level Formatting.



# Upwards Compatibility

- RIDE 4.0 is compatible with Dyalog v15 and v16. ✓
- RIDE 3.0 is compatible with Dyalog v15 and v16. ✓
- Some features are limited when using RIDE 3.0 and a v16 interpreter, for example session log history is not visible.



# Secure Communications

- TLS/SSL tunnelled connections are now supported and can be initiated when connecting to a running interpreter. ✓



# Floating Windows ✖

- Removed due to lack of users. 😊
- Support disappeared when the application framework changed from NWJS ( Node Web JS ) to Electron.
- The framework change was necessary to maximise compatibility across platforms.
- Plans to re-implement in the next version are being discussed.



# Raspberry Pi Version

- Now compatible with RPi 2 and 3 due to the framework change mentioned on the previous slide. ✓
- No plans to support RPi 1 or ZERO.





# Zero Footprint Operation

- RIDE can now be served by the interpreter. ✓
- The user connects using a browser on a device of their choice, for example a tablet.
- TLS supported. ✓



# SSH Tunnelled Connections

- RIDE 4.0 supports connecting to existing interpreters using SSH. ✓
- And now when you start an interpreter using SSH we take care of establishing and connecting to the tunnel for you. ✓



# Workspace Explorer

- A functional workspace explorer is now available in RIDE 4.0. ✓
- You can display it by selecting the “View->Show Workspace Explorer” option from the menu.



# Debug Panel

- RIDE 4.0 now offers a “Debug Panel” that allows you to view and control threads. ✓
- Thread operations supported, stack operations are currently in development. ✓
- To display the Debug Panel select “View->Show Debug”.



# User Experience

- Several concepts have been drawn up by Mike Mingard.
- Actively reviewing the different layout and colour options to provide the best UX possible.



# Enhanced Search Functionality

- Searching now available in session and editor/tracer. ✓
- Support for Regex searches added. ✓



# Interpreter Level Formatting

- Users now have the option to perform the formatting of code using the interpreter. ✓
- Makes formatting more consistent when frequently switching between the WIDE and RIDE.



# RIDE 4.0 Priorities Review

- Upwards Compatibility. ✓
- Secure Communications. ✓
- Floating Windows. ✗
- Raspberry Pi Version. ✓
- Zero Footprint Operation. ⚙️
- SSH Tunnelled Connection. ✓
- Workspace Explorer. ✓
- Debug Panel ( Threads and Stack ). ✓
- User Experience. ⚙️
- Enhanced Search Functionality. ✓
- Interpreter Level Formatting. ✓

72% Completion





## RIDE 4.1

- Floating Windows.
- Zero Footprint Operation.
- User Experience.
- Usability Bug Fixing.
- Optimisation of editing/tracing large scripts.



Thank you, now for a quick demo...

