

## Message Handler

- This is the replacement for the Caller Id interface in finPOWER 5.
- Due to constraints in .NET, we cannot use the same mechanism.
  - We use TCP/IP instead.
    - ✧ This may result in a firewall warning the first time finPOWER Connect is opened with the Message Handler enabled.
- Applications can now "talk" to finPOWER Connect via a generic HTTP interface.
  - The mechanism used in finPOWER 5 required COM to be used and so limited the applications that could access it.
- Settings.
  - Global Settings and User Preferences.
    - ✧ Enabled via a global setting but User Preferences can be used to disable it for certain Users
    - ✧ Defined a Port number for communication. The default is 5000
    - ✧ You could use different port numbers for different databases which means that you could have 2 instances of fin Connect open running different database and 2 different, say Excel workbooks could communicate with the different instances without confusion
    - ✧ You can also enable communication from a remote machine!
- Testing.
  - Once enabled you can easily test it is working via User Preference.
  - In the General section, Message Handler page, click "Test".
    - ✧ Opens your browser to <http://localhost:5000/test>.
- Messages.
  - Testing that the Message Handler is running.
    - ✧ <http://localhost:5000/test>
  - Return the current database filename.
    - ✧ <http://localhost:5000/database>
  - Return the current database name.
    - ✧ <http://localhost:5000/databasename>
  - Force Windows to focus finPOWER Connect.
    - ✧ <http://localhost:5000/focus>
  - Caller Id interface.
    - ✧ Alert the user to an incoming phone call.
    - ✧ <http://localhost:5000/callerid?phonenumber=068355237>
    - ✧ Parameters:
      - phonenumber; the phone number.
      - autoshow; Boolean (True). If only one Client with this phone number found will automatically show Client form.
  - Check if a form is open.
    - ✧ Returns true or false if a form and optional Id are currently open in finPOWER Connect.
    - ✧ <http://localhost:5000/isformopen?Form=Clients&Id=paul>
    - ✧ Parameters:
      - form; the form to look for.
      - id; (optional) if specified the id of the record to look for.
  - Create a message in the Notification area of finPOWER Connect.

- ✧ <http://localhost:5000/notify?id=test&title=testing&text=this%20is%20some%20testing%20t&icon=Email&applicationShortcut=FormShow?form=Debug>
- ✧ Parameters:
  - Id (required). A unique name to identify the popup. Sending another message with the same id will re-use the existing popup if possible.
  - Icon; optional icon to display. Eg, Warning, Help.
    - See Admin, Workflow Definitions, General page, Icon for a list.
  - applicationShortcut; optional application shortcut.
  - statusBar; boolean to show in statusbar (default=True).
  - popup; boolean to show as popup (default=True).
  - Text; the text to display.
  - isTextHtml; Is the text html? (default=False)
  - Title; title to show in notify window
  - Popupdelay; delay before the popup closes (default=10 seconds).
- Run an application shortcut.
  - ✧ <http://localhost:5000/applicationshortcut.formshow?form=clients&id=C10003>
    - Displays the Client form and opens the record with Id C10003.
- Display a summary page.
  - ✧ <http://localhost:5000/summarypage?scriptid=accfin&id=L10035>
  - ✧ Parameters:
    - scriptid; the summary page script to run.
    - id; the id of the record to display.
  - ✧ Returns the HTML text which may display as a web page E.g. in Internet Explorer or just raw HTML in some browsers E.g. Chrome.
- Using Scripts to handle Messages.
  - You can run a Script from an application shortcut and therefore from the message handler.
  - In addition a special "Message Handler" script can be run.
    - ✧ If the message action is not one of the pre-defined messages (as above) and a "Message Handler" script of the action name is found it will be run.
    - ✧ Add Script.
      - Type="Message Handler".
- VBA.
  - See Excel sample "Sample\_AccountList.xls".
    - ✧ Under ISCommon module, see function SendMessageToApplication.
    - ✧ This hides away all the detail for the user on how to call the Message Handler.