Inputs

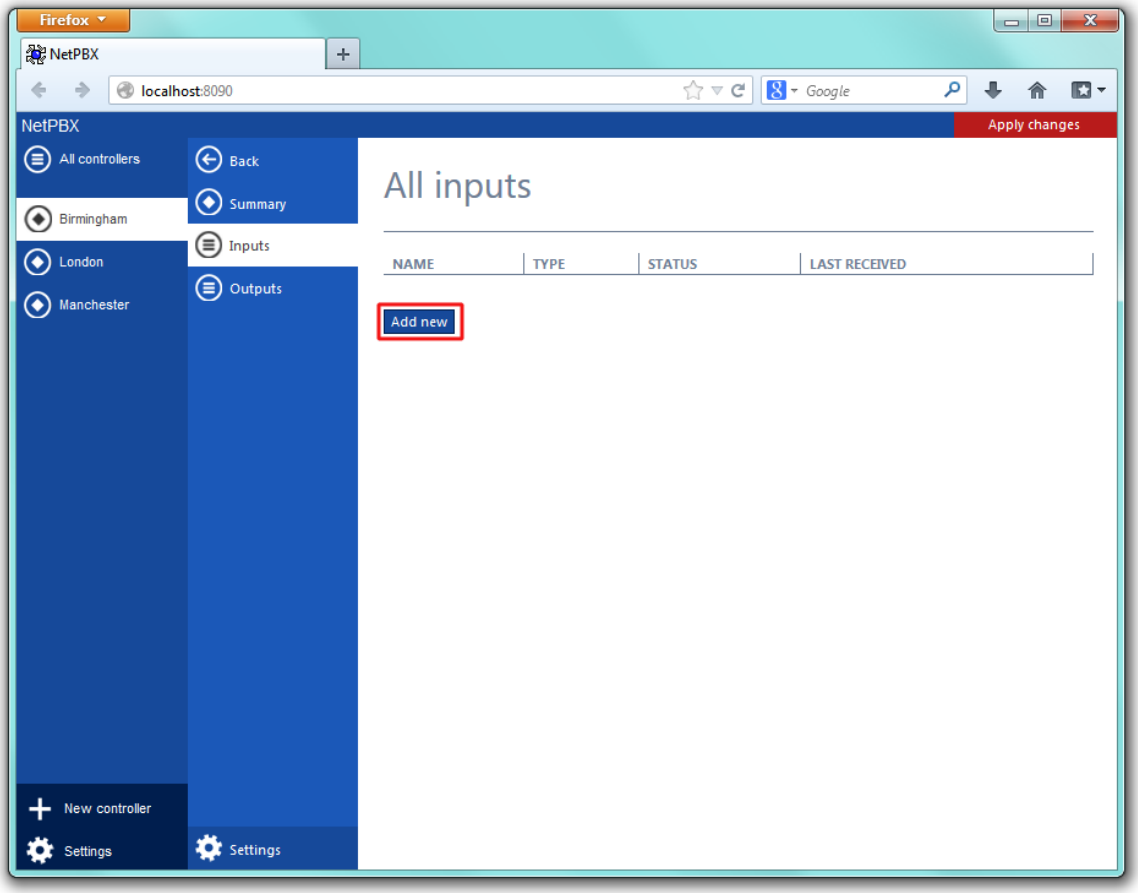
An **Input** is the system object that connects to a data source, such as PBXs, routers and other telecom signalling equipment, in order to collect the call logging data.

Inputs

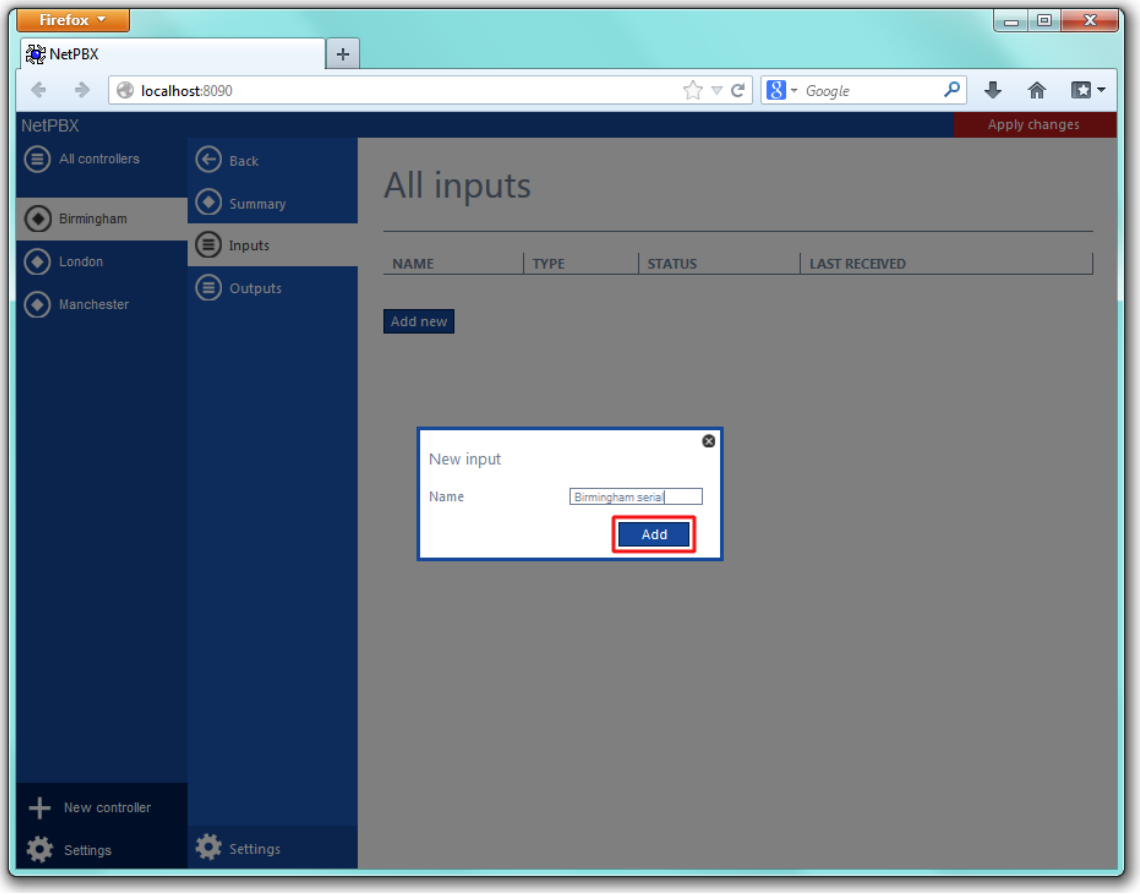
- Adding an input
- Configuring an input
- Input types
- Deleting an input

Adding an input

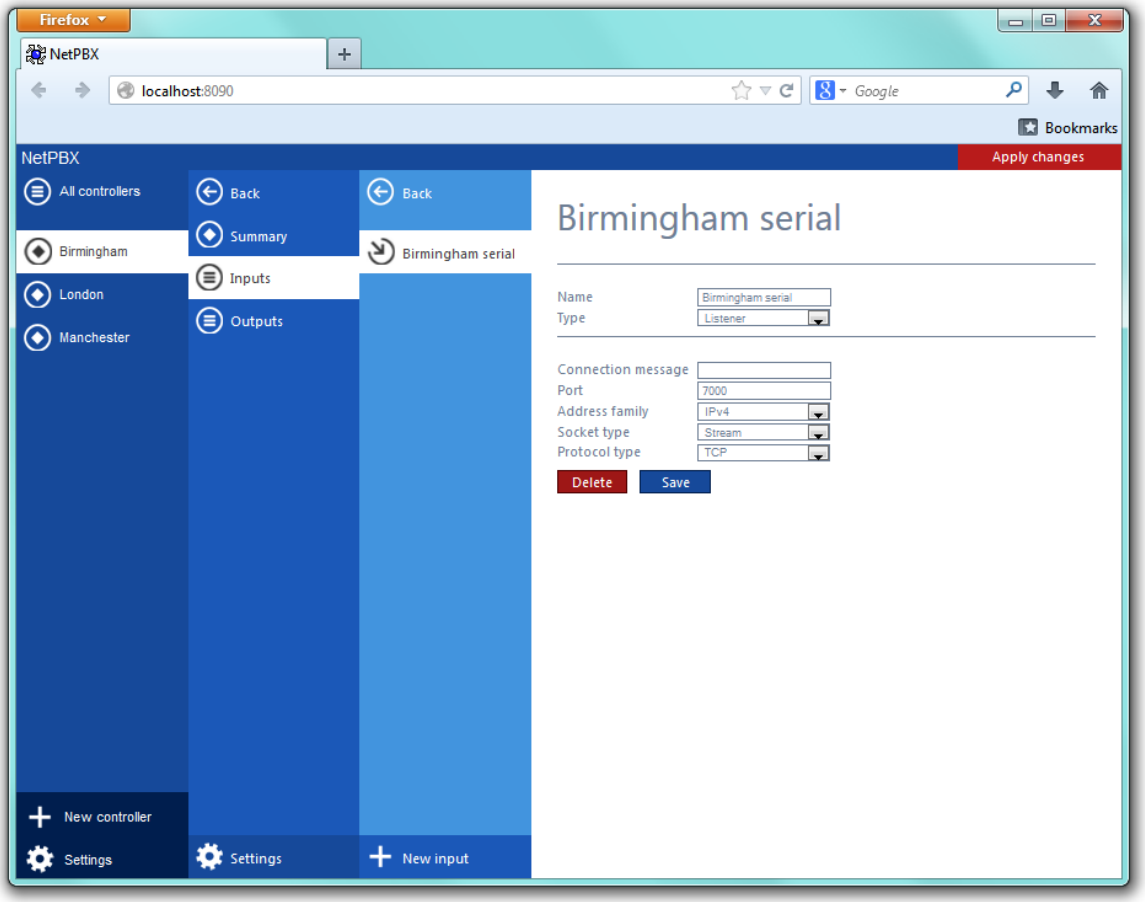
To add a data input, click on the Add new button from either the **Summary** or the **Inputs** screen, as shown below:



A new window will open, allowing you to name the input. Click on the Add button to add the input to the system, as shown below:

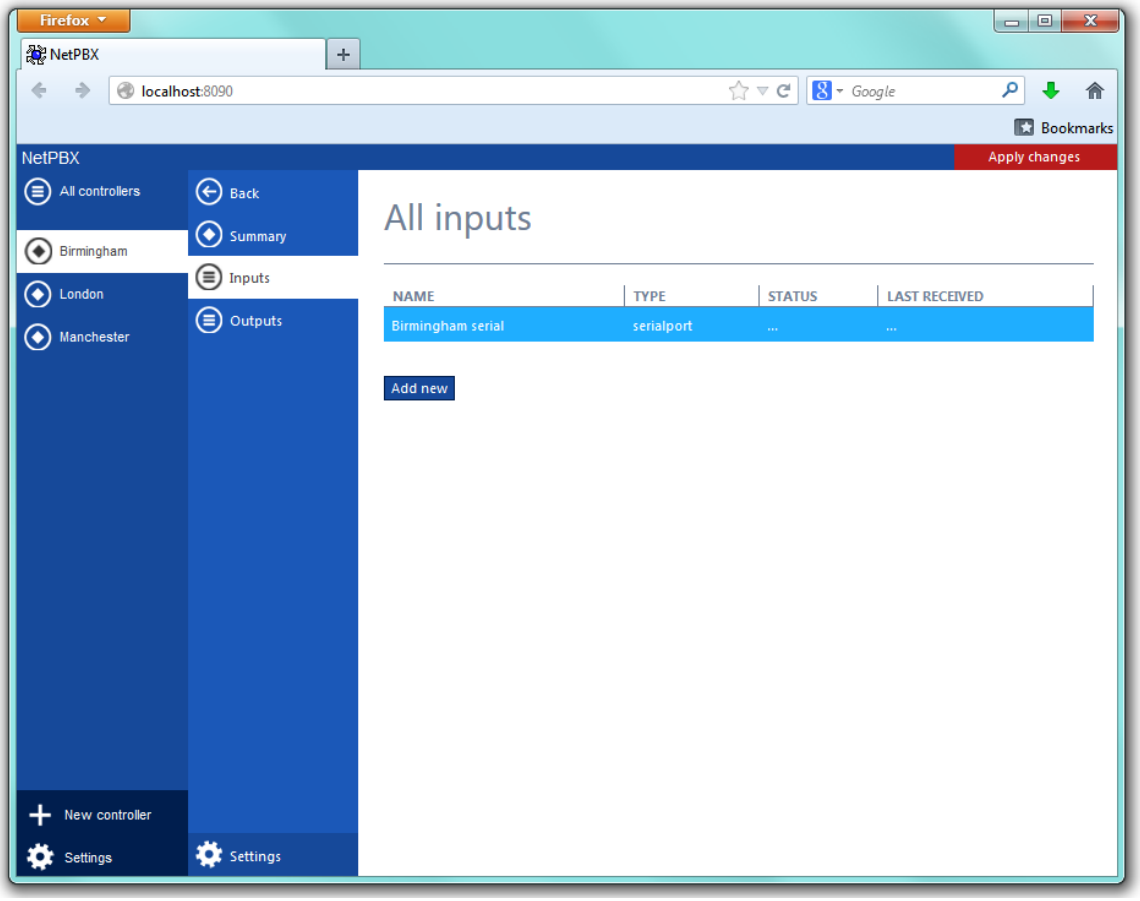


The input-configuration screen will be displayed. For information on how to configure these settings, refer to the Configuring an input section below.

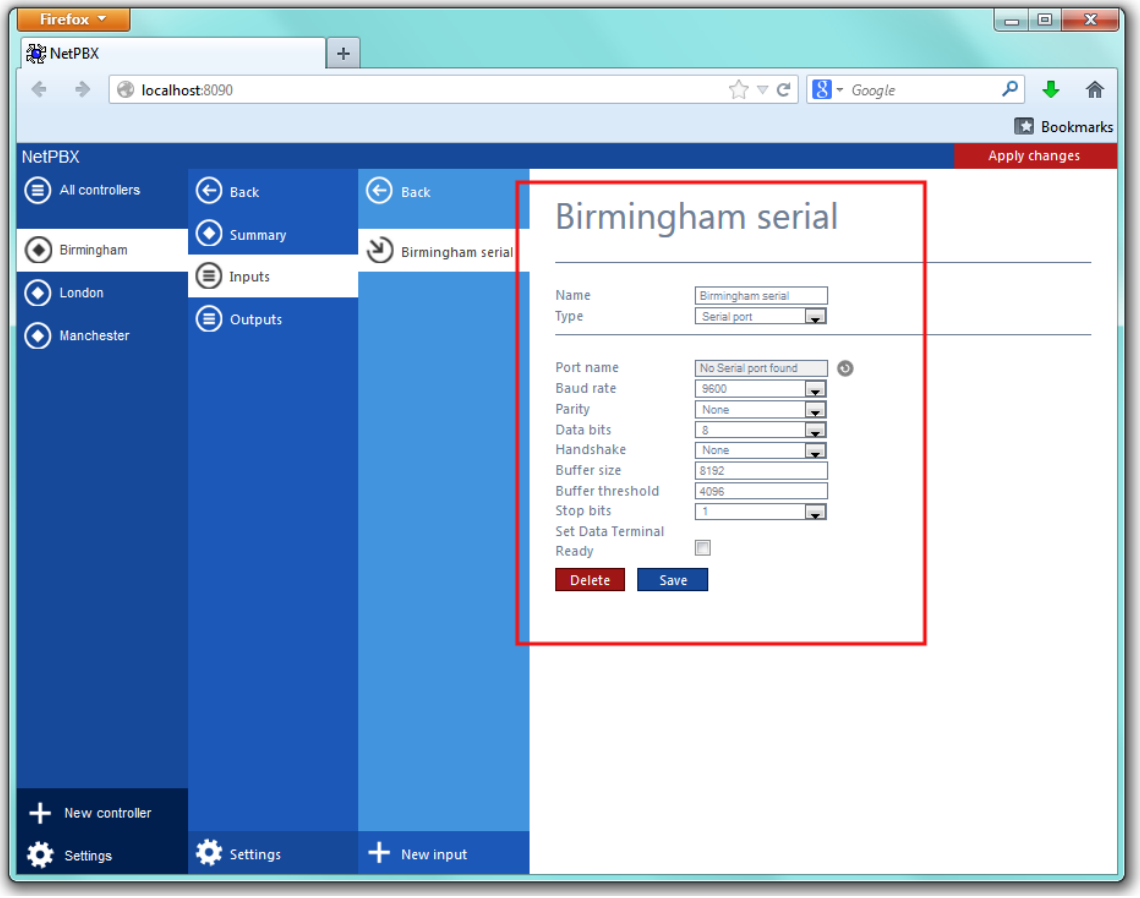


Configuring an input

To configure a data input, select it from the **`All inputs`** list, as shown below:



A new window will open on the right-hand side panel, allowing you to configure the settings of your data input:



The settings displayed in this window will be described below:

Name

The **Name** field allows you to view or edit the name of the selected input. To rename, overtype the current entry.

Type

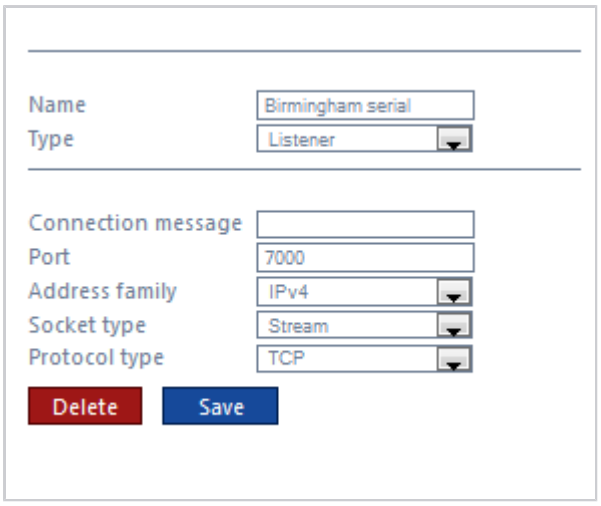
The **Type** field allows you to specify the connection method you want to use to collect the data from the phone system. The following connection methods are supported in NetPBX:

- Listener
- Serial port
- Client socket
- Pipe server
- BCM SSH
- XML file
- File reader
- BCM DCOM

Input types

Listener

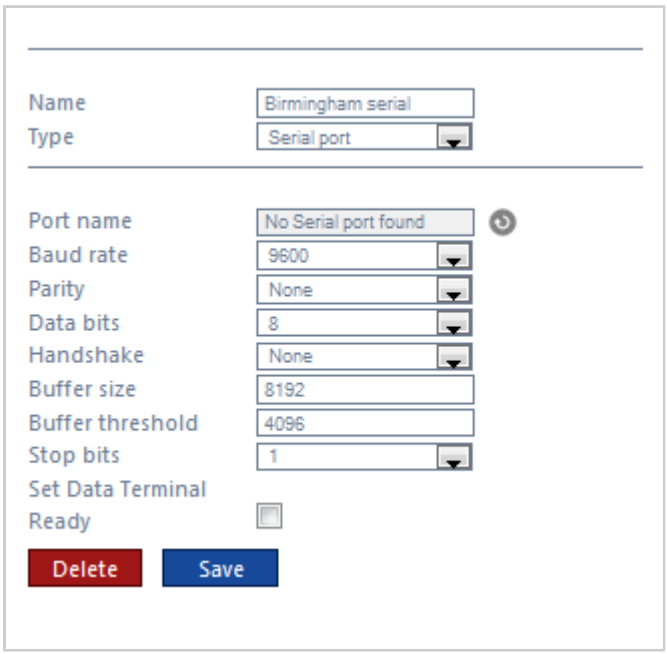
This method creates a socket and binds it to a specific port, accepting any data received on the connection without challenge.



Field	Description
Connection message	An optional greeting message which is sent to any connecting socket. This message can include one or more of the following variables: • `{remoteip}` - the IP address of the remote party • `{remoteport}` - the remote party's source port
Port	The port that the listener should bind to
Address family	The address family of the socket
Socket type	The type of data flow the socket expects
Protocol type	The type of protocol the listener will use

Serial port

This method allows the connection of a serial (RS-232) device.

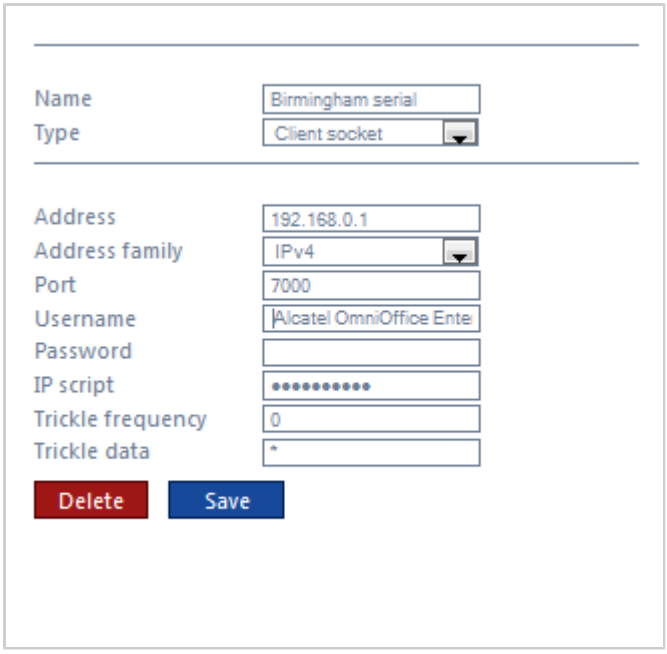


Field	Description
Port name	The name of the serial port device, e.g. COM 1, COM 2

Baud rate	The serial port's speed
Parity	The parity check regime • **none** - no parity checking is performed • **odd** - odd bits parity checking is performed • **even** - even bits parity checking is performed
Data bits	The number of data bits, between 5 and 8
Handshake	The type of handshake the serial port requires: • **none** - no handshake required • **rts** - request to Send • **xonxoff** - X-On/X-Off • **rtsxonxoff** - either RTS or X-On/X-Off is used
Buffer size	The size of the data buffer of the serial port
Buffer threshold	The size that the buffer must first reach before being empty
Stop bits	The number of stop bits used

Client socket

This method creates a TCP socket and connects to a remote host.

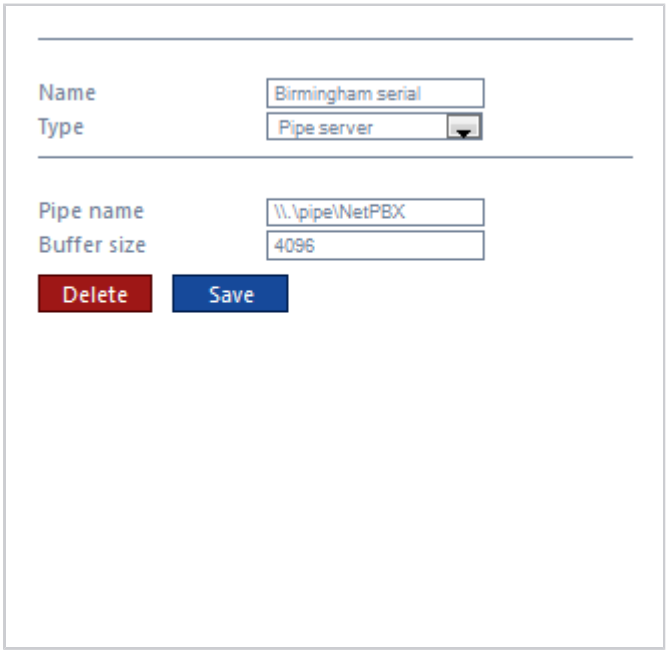


Field	Description
Address	The IP address or hostname to which the socket should connect
Address family	The address family of the socket
Port	The port that the listener should bind to
Username	The username required by the data source, if applicable
Password	An optional password which is sent upon successful connection
IP script	The script file used by NetPBX to check for new data

Trickle frequency	This option allows you reset the connection between NetPBX and remote host, in case of inactivity. When the system becomes inactive, NetPBX sends a string of data back to the remote host in order to test the connection. Sending the trickle back data will emit a detectable error in case a disconnection has occurred and, thus, will cause the connection to reset. The `Trickle frequency` option allows you to configure the amount of inactivity that must occur (in miliseconds) before a trickle back is performed.
Trickle data	A string containing the data to be sent back

Pipe server

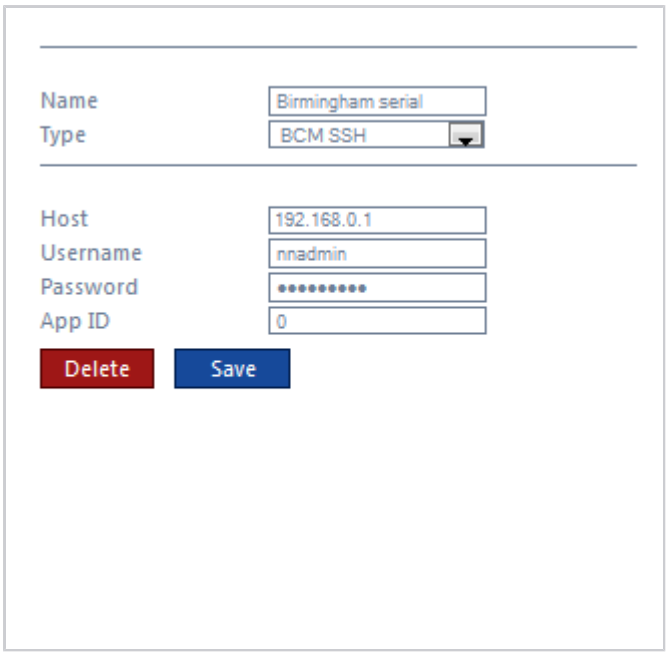
This method opens a global named pipe and accepts any data that is sent to it.



Field	Description
Pipe name	The name of the pipe that is created
Buffer size	The size of the buffer, in bytes, that is allocated to the pipe

BCM SSH

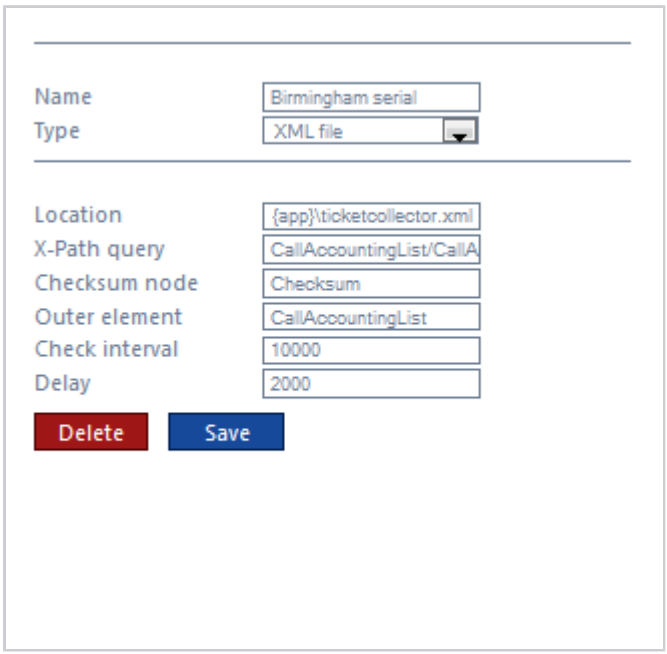
This method registers a connection with the `Nortel CDRClient.dll` library and receives data-callbacks whenever the PBX produces data.



Field	Description
Host	The IP address or hostname of the BCM PBX
Username	The username required to access the CDR events
Password	The password required to access the CDR events
App ID	The unique ID number given to each source of data.

XML file

This method monitors an XML file for new nodes. To specify which nodes to monitor, an XPath query is used; to identify which nodes are new, a unique element is required. Default properties are designed to work with the `ticketcollector.xml` file produces by an `Alcatel OmniPCX Enterprise` PBX.

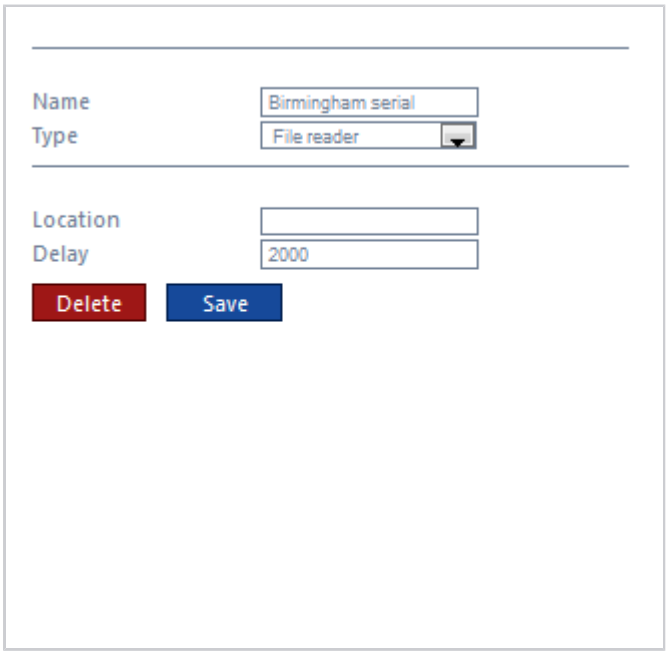


Field	Description

Location	The full filename of the XML file to be monitored. The **{app}** variable can be used to specify the program data location of the running service
X-Path query	The XPath query to use when testing for new nodes
Checksum node	The unique node(element) to be used to track which nodes have been added since the last check
Outer element	The name of the outer XML element to be used to contain any new nodes when the new XML document is created for output
Check interval	The time interval the system is checking for a new node.
Delay	A value, in milliseconds, that specifies the artificial delay that is waited when a change in the source XML file is discovered.

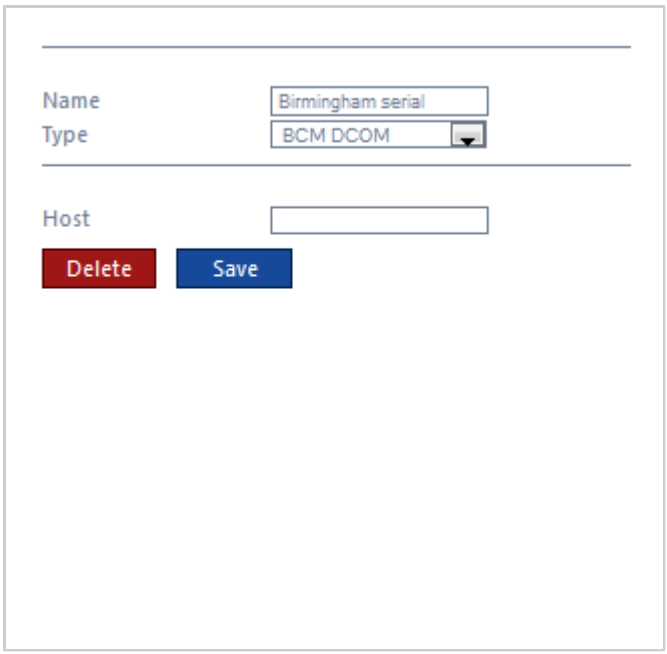
File reader

This method opens a connection to an actual file.



Field	Description
Location	The path of the folder where the file is located

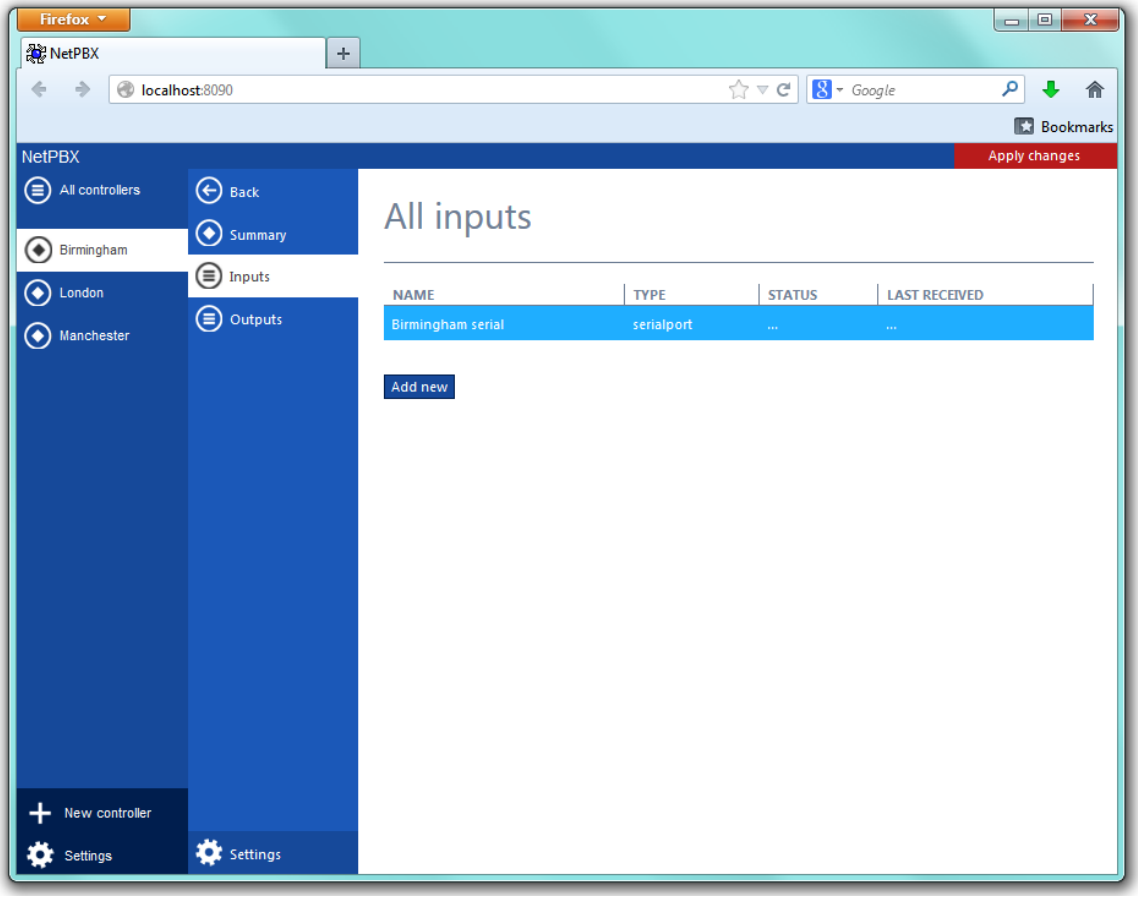
BCM DCOM



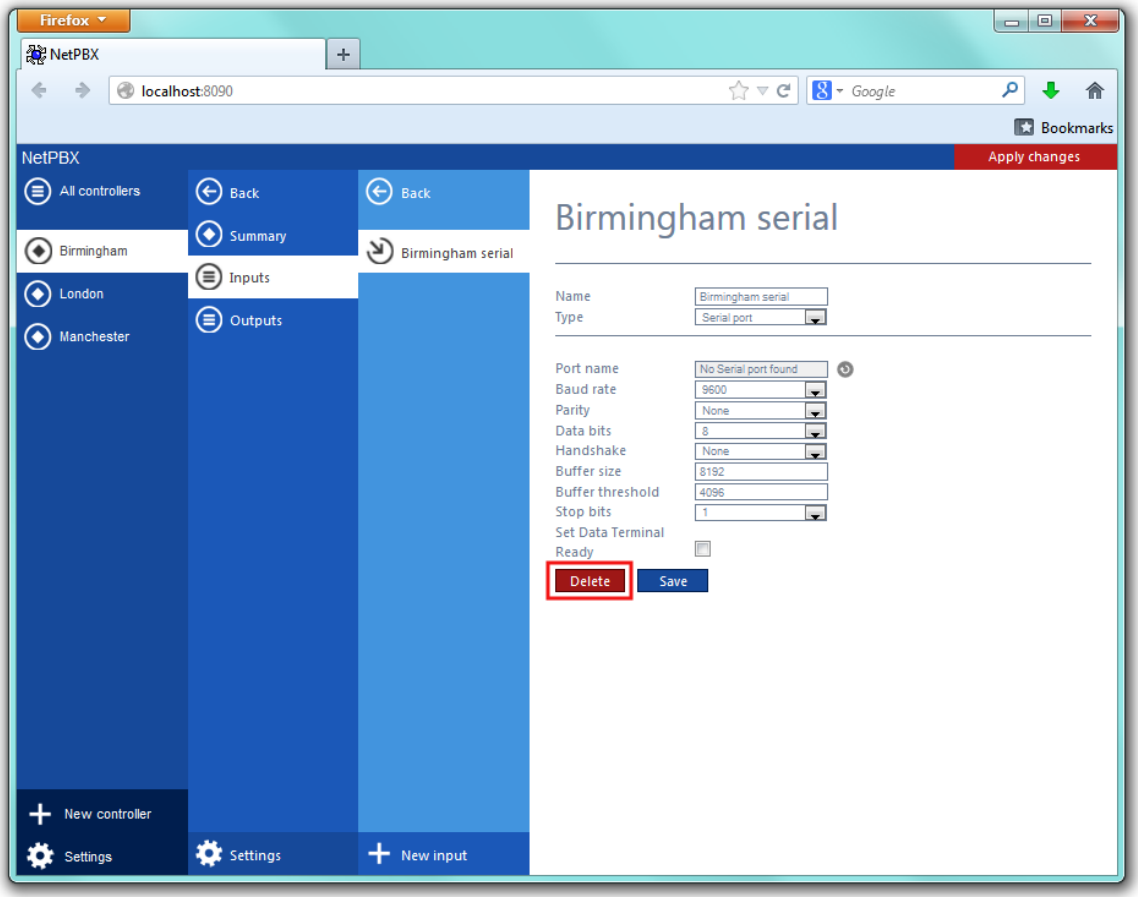
Field	Description
Host	The IP address or hostname of the BCM PBX

Deleting an input

To delete a data input, select it from the **`All inputs`** list, as shown below:



A new window will open on the right-hand side panel. Click on the Delete button to remove the input from the system, as shown below:


Firefox
NetPBX
localhost:8090
Google
Bookmarks
NetPBX
Apply changes
All controllers
Birmingham
London
Manchester
New controller
Settings
Back
Summary
Inputs
Outputs
Settings
Back
Birmingham serial
New input
Birmingham serial
Name
Birmingham serial
Type
Serial port
Port name
No Serial port found
Baud rate
9600
Parity
None
Data bits
8
Handshake
None
Buffer size
8192
Buffer threshold
4096
Stop bits
1
Set Data Terminal Ready
Delete
Save