

Bluebird

Laboratory Integration

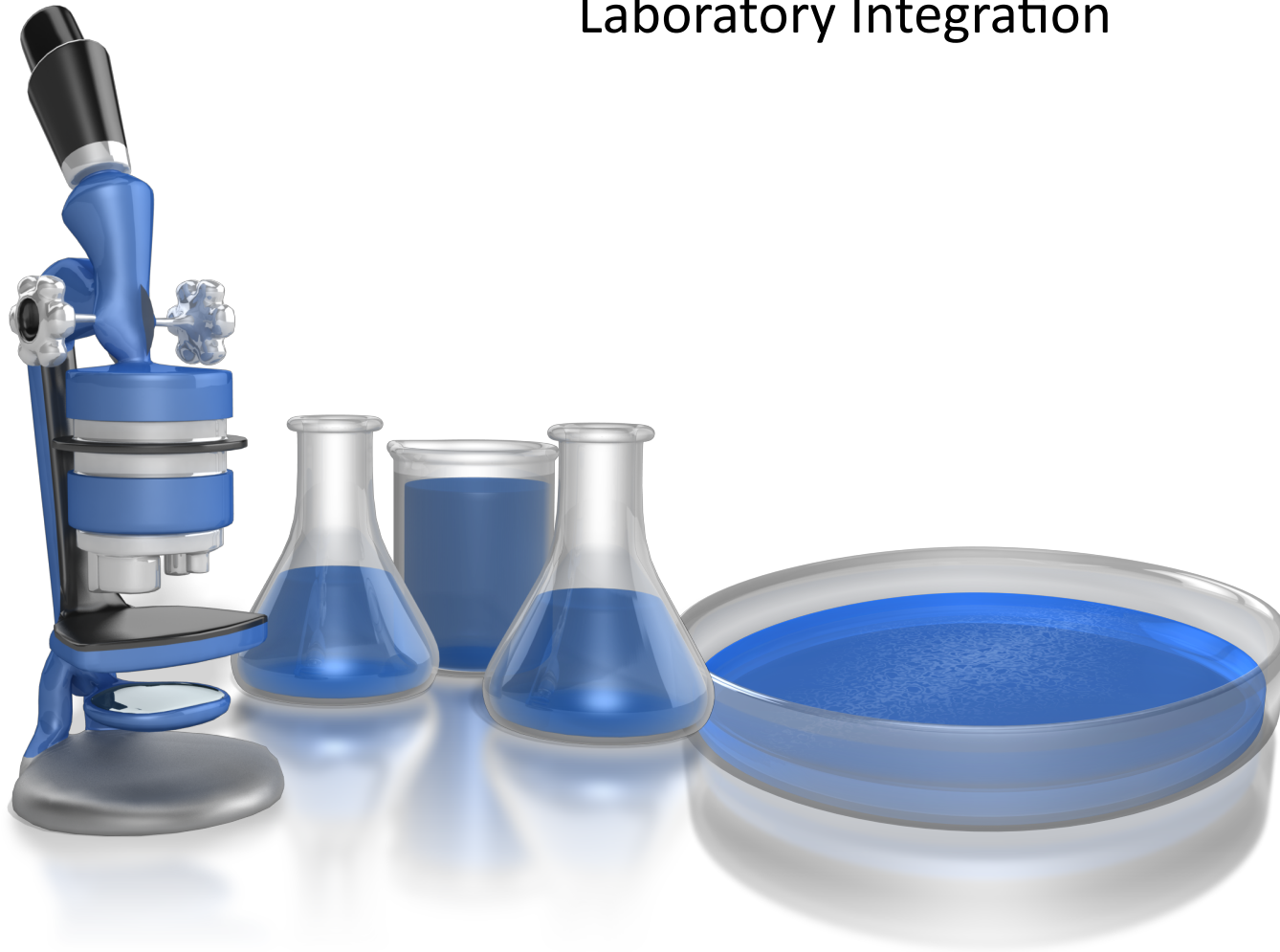


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Introduction

To enable your lab to send results via Bluebird, this is what is required:

- Data files (in a specific format)
- Transport (of those data files to Bluebird)
- Monitoring (of your lab connection to Bluebird)
- Reconciliation Line list (of all the reports that the lab has sent to Bluebird in the last 24 hours - used to audit that all reports were received).

Data File Format

Bluebird offers you the choice of one of three possible file formats to construct your data files:

- [Bluebird XML](#)
- [XML 4](#)
- [HL7](#).

Data File Transport

Data files are transported to Bluebird using a secure Bluebird Web Service.

The WSDL for the web service is available at this URL: [Bluebird wsdl](#)

The **SendReport method** must be called with a username and password and the XML report as a string. The web service will return either "*OK: Report received*" or "*ERROR: ...*".

Monitoring

If the lab didn't have any messages to send for a prolonged period we wouldn't know if the lab was down or if there were no messages to send. To solve this problem we ask that you send "Watchdog" messages to the Bluebird web service WSDL every 5 minutes. This **Watchdog method** is called with the same username and password as the SendReport method. The WSDL for the Bluebird web service is available at this URL: [Bluebird wsdl](#)

Reconciliation Line list

BatchNo	ReportDateTime	Recipient	ReqNo	SpecNo	DeptCode	DeptName
1769205	2012-06-29 06:30:00	doctor1@bluebird.co.za	461183390	0429:BR00549H	BR	BIOCHEMISTRY
1769183	2012-06-29 06:30:00	doctor1@bluebird.co.za	461183328	0428:HC00254U	HC	HAEMATOLOGY

In order to confirm that every report that the lab believes they have sent to Bluebird actually arrived in the Bluebird database, an e-mail must be sent by the lab every morning at 6AM to **recon@bluebird.co.za** and the subject should be "*[Name of your lab] Recon*".

This email must include a **CSV attachment** listing each report that the lab has sent to Bluebird over the previous 24 hrs (ending at 2400 hrs the previous day).

Here is the attachment specification: [BB Audit Spec](#)

Bluebird uses this list to reconcile that every report sent by your lab was inserted into Bluebird. Bluebird support monitors this process and will ask you to resend any report that did not arrive as expected.