



Ruby - Wonde Integration Setup Guide for Schools

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Overview

Schools using The University of Melbourne's Ruby platform for next-generation assessment and reporting have expressed interest in setting up data synchronisation from a School Information System (SIS) to the Ruby platform through Wonde.

This document provides a step-by-step guide covering the required configurations and approval processes to ensure secure and efficient data flows. The guide also explains how to configure various synchronisation options and track synchronisation status, review logs, and identify errors to ensure data accuracy and facilitate troubleshooting.

The following steps are provided within this document to support schools.

In Wonde:

- Create your school's Wonde account
- Approve Ruby within the Wonde portal
- Integrate with your Student Information System (SIS)
- Access control if you need to fine tune

In the Ruby platform:

- Ruby connects to Wonde
- Authorise Ruby to proceed
- Configure data import scope
- View logs and troubleshooting

Background information

Why is integration needed?

The Ruby platform allows teachers to set up classes, register and assess students. Information for teachers, students and classes need to be updated when changes arise and from year to year. This is often a time-consuming task for schools.

Student, teacher and class information is also managed in your SIS. Schools have indicated a preference to better manage the synchronisation of this information.

There are many School Information Systems operating within Australia, e.g., Synergetic, Sentral, TASS, Civica, FACTS etc. With schools adopting a range of systems, and new systems regularly in the market, it is difficult for the Ruby platform to integrate with each individual system. Promisingly, there are existing solutions to integrate with SIS's, and the Ruby platform is able to integrate with them. They serve as a bridge to provide Ruby with up-to-date data coming from SIS's. Wonde is one such solution used in this integration, and one that appears increasingly popular with Australian schools.

About Wonde

Wonde is an innovative data management solution for the Education sector, used by over 30,000 schools globally as of 2025. It enables schools and jurisdictions to take control of their school data, securely protect its distribution to approved third party applications and further comply with their data protection obligations.

Using Wonde, schools can extract key data (i.e. student and teacher records) from within their SIS and provide third party applications with secure access to that data via the Wonde API, all centred upon a permission and approvals approach.

Melbourne Metrics is not affiliated with Wonde. Wonde's technical solution has been selected by Melbourne Metrics as one of the alternative ways for schools to setup students / classes in the Ruby platform. Schools must independently evaluate whether to use the Wonde data sync.

You can find out more information about Wonde at www.wonde.com.

Data flows

The next diagram shows how school data flows in this integration.



Your school data flows from your SIS to Wonde, and then flows from Wonde to the Ruby platform.

Wonde provides a direct connection between your SIS and the Ruby platform.

It is a one-way data flow. Assessment and reporting data cannot flow from the Ruby platform to your SIS via Wonde.

What to do in Wonde

If you would like to connect to the Ruby platform through Wonde, please send a support request to our helpdesk and we can send your school a Wonde connection request to review and approve.

Once you have received a connection request email, please refer to [Wonde Getting Started Guide](#) (provided by Wonde), outlining the steps to connect. You can use this document regardless of whether you have an existing Wonde account or if you need to set up your school's Wonde account.

Please find a summary of the steps outlined in the guide summarised below:

Step 1: Create your school's Wonde account

If your school already has a Wonde account from other applications, you can skip this step.

Please ensure that this process is followed by someone who has the authority to approve access to school data.

Once you have received the email invitation, you can begin your school's account creation. The email will direct you to your school's Wonde portal. You will be asked to confirm your school's name and that you have permission to approve access to school data stored in your SIS.

Step 2: Approve Ruby within the Wonde portal

When you log into the Wonde portal, the Dashboard will display your Applications page, which shows any new pending applications that have requested to connect and are 'Pending Approval'.

You will need to click on the Ruby platform application and then into Permissions.

Once there, you will need to review the requested data permissions. Please refer to the appendix for a complete list of permissions that are requested by the Ruby platform.

After you have thoroughly read through the permissions, you will be able to select either **Approve Access** or **Decline**. Once you select **Approve Access** a confirmation email will be sent to your school and to Melbourne Metrics.

The email includes details on what, who and when permissions were approved. If you select **Decline** access, Melbourne Metrics will be notified.

If at any point the Ruby platform tries to change the permissions or access extra data, this will need to be approved again by your school.

If you are unhappy with the permissions the Ruby platform requests, please feel free to contact us directly to discuss.

Step 3: Integrate with your SIS

If your school is already using Wonde to populate other applications and has already completed the Integration to your SIS, you can skip this step.

From the Wonde portal, you will be taken through to the steps of connecting Wonde to the school's SIS.

This can be done by following the installation guide within Wonde portal or with the help of one of the Wonde team.

Access controls

This is optional, but it can be very useful to control student information passing to the Ruby platform. You can use Wonde's **Access Controls** to specify any students who should be excluded by default or included by default.

The Ruby platform also provides similar access controls for you to choose what classes / groups should be imported into Ruby platform, explained later in this document. By combining controls in Wonde and Ruby platform, you can manage what data should be transferred to the Ruby platform in a flexible way.

What to do in the Ruby platform

Step 1: Ruby connects to Wonde

Once your school has approved the Ruby connection request in Wonde, Wonde will audit the data you have approved, ensuring it is syncing from your SIS as expected. Melbourne Metrics will be notified once the connection has passed audit, and your approved data permissions are available to sync into Ruby. We will onboard your school within Ruby and will notify you once complete, to continue the following authorisation and configuration.

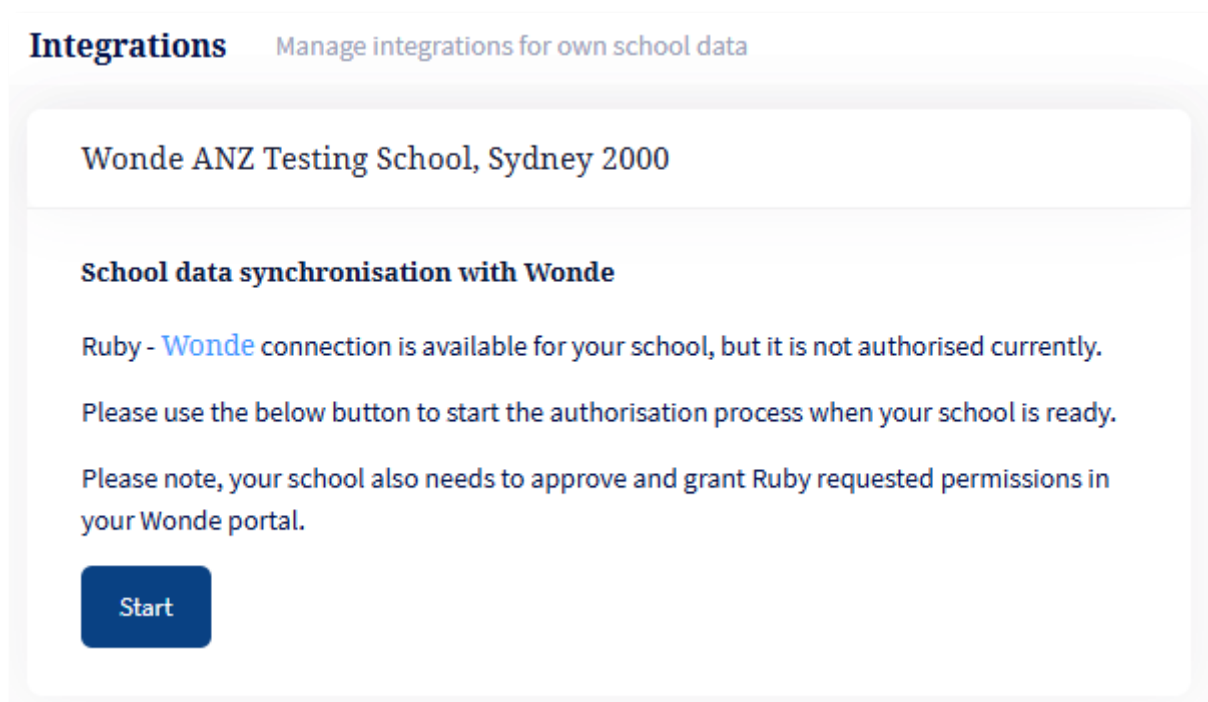
For your information, we will set up a read-only token in Wonde for the Ruby platform to use. This token can only read part of your school's data, as approved through the Wonde permissions and access controls during the approval stage in Wonde.

The Ruby platform cannot change your school's data. The Ruby platform uses a different token for every school in Wonde, so school data is guaranteed to be private and secure.

Step 2: Authorise Ruby to proceed

Your school maintains complete control over the data synchronisation process. To initiate the process, school administrator needs to confirm and authorise the Ruby platform to proceed, by clicking the 'Integrations' menu item from the Ruby platform.

The following shows a sample screen.



After clicking the 'Confirm and authorise' button, your school details are presented for confirmation.

Confirm and authorise×

The following information is received from Wonde. Please check these are your school details.

School Name:
Wonde ANZ Testing School

Address:
1 George St

Suburb: **Sydney** Postcode: **2000**

Country:
Australia

By proceeding, I confirm the above are my school details. I wish to proceed data synchronisation from Wonde to Ruby.

Cancel

 **Confirm and authorise**

Click 'Confirm and authorise' again to authorise the Ruby platform to proceed.

Step 3: Configure data import scope

The data syncing into Ruby from your school's SIS via Wonde includes students, teachers, classes, and their membership details (which student in which class, which teacher in which class). These groups and/or classes are called scope or data permissions in Wonde. You can control which scope to synchronise.

After authorised the Ruby platform, a similar screen like below would appear for your select data import scope configuration.

Integrations Manage integrations for own school data

Wonde ANZ Testing, Melbourne 3000

School data synchronisation with Wonde

Status:	Enabled and Authorised
School authorisation:	Authorised by Wonde ANZ Testing School Administration, at 22 Apr 2025 12:56pm

Scope configuration:

Please select what groups and/or classes to synchronise.

Update configuration

Your school can choose the scope of which data to import. The school can choose either 'All groups and classes', 'All groups only', 'All classes only' or 'Selected groups / classes' to be imported, as shown in the following sample.

In Wonde, the concept of 'Group' is for primary or junior sector, and 'Class' is for secondary or senior sector.

Wonde ANZ Testing, Melbourne 3000

School data synchronisation with Wonde

Choose from the following options to control what groups / classes to participate data synchronisation.

Wonde has a concept of group and class.

- Group: used by primary schools or junior year levels
- Class: used by secondary schools or senior year levels

You can choose all groups and/or classes, or manually select any of them. Only chosen groups / classes, and their related students / teachers data will be transferred into Ruby.

It is recommended to only choose needed groups / classes that joins Ruby assessment.

- ☒ All groups and classes
- ☐ All groups only, excluding any class. E.g., all primary or junior year levels
- ☐ All classes only, excluding any group. E.g., all secondary or senior year levels
- ☐ Manually selected groups or classes

Cancel

 Save

It is worth noting that the handling of newly created groups and classes in the school SIS is different in the above options. When the '**All groups and classes**', '**All groups only**', and '**All classes only**' option is chosen, any newly created groups or classes in the school SIS will be imported automatically.

When the '**Selected groups / classes**' option is chosen, the school needs to explicitly select required classes and groups. Any newly created classes and groups in the school SIS will not be included in the data synchronisation. The school will need to manually add new classes and groups into the selection as required.

View logs and troubleshooting

School administrators can view data synchronisation logs to monitor the status of synchronisation processes and access detailed logging information. These logs assist in troubleshooting any synchronisation issues.

The below shows a sample of all log entries within a date range.

Integrations

> View logs

Wonde ANZ Testing School, Sydney 2000

School data synchronisation with Wonde

Date range

20/04/2025 - 22/04/2025

Log types:

☒ Information

☒ Warning

☒ Error

Refresh

Actions	Time	Type	Details
	2025-04-22 13:07:19	Information	Starting Wonde data synchronization for Wonde ANZ Testing School
	2025-04-22 13:07:19	Information	Prepare staging data
	2025-04-22 13:07:20	Information	Clear staging data
	2025-04-22 13:07:22	Information	Downloaded 12 groups
	2025-04-22 13:07:28	Information	Downloaded 311 classes
	2025-04-22 13:07:30	Information	Downloaded 93 employees
	2025-04-22 13:07:51	Information	Downloaded 1168 students

The logging information can be filtered to narrow down to errors quickly for further troubleshooting. Extra details can be viewed by clicking the magnifier icon in the Actions column as shown below.

Integrations

> View logs

Wonde ANZ Testing School, Sydney 2000

School data synchronisation with Wonde

Date range

20/04/2025 - 22/04/2025

Log types:

☐ Information

☒ Warning

☒ Error

Refresh

Actions	Time	Type	Details
	2025-04-22 13:08:22	Error	ERROR: Validation and transformation of Students data encountered an issue. A problem was detected in the data for 4 Students. Please refer to the transformation logs for specific details on the failed checks.
	2025-04-22 13:10:09	Error	ERROR: Validation and transformation of Teachers data encountered an issue. A problem was detected in the data for 27 Teachers. Please refer to the transformation logs for specific details on the failed checks.

Total: 2

<<

<

1

>

>>

10

If any synchronisation issue cannot be resolved by your school, please use the existing support channel to contact us.

Imported data

Imported data from SIS through Wonde includes classes, students, and teachers. This data cannot be modified or deleted within Ruby. It is read only.

This data can be identified by an underline. The below shows an example of imported classes.

Classes and students Manage classes and students

Wonde ANZ Testing School, Sydney 2000

Search... 

+ Create new class under school



Class	Students	Actions for class
<u>A (A)</u>	272	
<u>Accounting 1&2 (11ACCT1A)</u>	22	
<u>Accounting 1&2 (11ACCT1B)</u>	19	
<u>Accounting 1&2 (11ACCT1C)</u>	21	
<u>Accounting 1&2 (11ACCT1D)</u>	20	

The following is another example of imported students.

Accounting 1&2 (11ACCT1A)							Batch edit ▾	
Search...							Q	
Actions	Surname		First Name		Email address	Student Identifier	Grade	
	↑ 1		↑ 2					
 	Aderman		Kaley		home_13022@emailaddress.com.au	13022	Year 11	
 	Ahuia		Ishan		home_11030@emailaddress.com.au	11030	Year 11	
 	Balfour		Galvin		home_13051@emailaddress.com.au	13051	Year 11	

Revoke authorisation

Your school can stop the data synchronisation process at any time by revoking the authorisation. The screenshot below demonstrates the option available to revoke the authorisation, and configuration update button.

Integrations Manage integrations for own school data

Wonde ANZ Testing, Melbourne 3000

School data synchronisation with Wonde

Status:	Enabled and Authorised
School authorisation:	Authorised by Wonde ANZ Testing School Administration, at 22 Apr 2025 12:56pm Revoke authorisation
Scope configuration:	All groups and classes Update configuration
Last synchronisation:	Not run yet

The revoke will stop all future data synchronisation processes, but configurations will be preserved, and data will not be deleted. If the data synchronisation process is already running (normally daily after midnight), it won't be stopped.

This is a good option if you need to stop data synchronisation for any reason, for example, if your school needs to do maintenance on the SIS. You can authorise Ruby again later if needed. In this way, you can flexibly start / stop the data synchronisation process at any time.

Please note that you can also revoke the connection to Wonde at any time via the schools Wonde account.

Support

As this integration involves multiple systems including the schools SIS, Wonde and the Ruby platform, you may need to request support from one or more of the systems. The data flow diagram in the 'background information' section, may assist in identifying the correct platform to request support from.

As a first step for troubleshooting, the Ruby platform provides logging information that can be used at any time to assist schools with solving the issue. If this does not solve your issue, please use the existing support channel to contact us. We can then loop in the Wonde Technical Support team if needed.

Appendix: Wonde data access permissions

The following shows all Wonde permissions that are requested by the Ruby platform for reference.

Permission group	Permission subgroup	Permission name
Student	Students read	Students upi read
		Students surname read
		Students forename read
		Students legal surname read
		Students legal forename read
	Students contact details read	Students email read
Regional	Students regional data read	Students government id read
Groups, Classes & Subjects	Classes read	Classes name read
		Classes code read
	Groups read	Groups name read
		Groups code read
		Groups type read
Employee	Employee read	Employees upi read
		Employees surname read
		Employees forename read
		Employees legal surname read
		Employees legal forename read
	Employees contact details read	Employees email read
	Employees employment details read	Employees teaching staff read



Contact us

Melbourne Metrics

Level 8, 100 Leicester Street
The University of Melbourne
Victoria 3010 Australia

E melbassess-info@unimelb.edu.au

education.unimelb.edu.au/melbourne-metrics
facebook.com/unimelb
twitter.com/MelbMetrics