API Integration Capability

Contents

INTRODUCTION

Third Party API Integrations

Introduction

Bud provides a suite of APIs that Customers can push and pull Bud data to support their business processes.

At present, some of these APIs relate to Apprenticeships only, and we're looking to develop the same capabilities for Other Skills & Training (OST) programmes.

In addition to this overview, we provide how to guides in Zen Desk and a Developer Hub that your team can use to dive straight in.

DESIGN

Third Party API Integrations

API Design

All our APIs are Secure HTTP and conform to REST design principles.

Security of our APIs is provided by token-based authentication, using the OAuth2 protocol. Documentation on authentication and authorisation can be found in our Zen Desk articles and Developer Hub.

Each end-point has different methods, they aren't all the same.

There are limited 'Get' methods (for reading data) within the APIs. Further data can be read directly out of the Bud Data Warehouse.

Every end-point expects and will return JSON.

Architecture
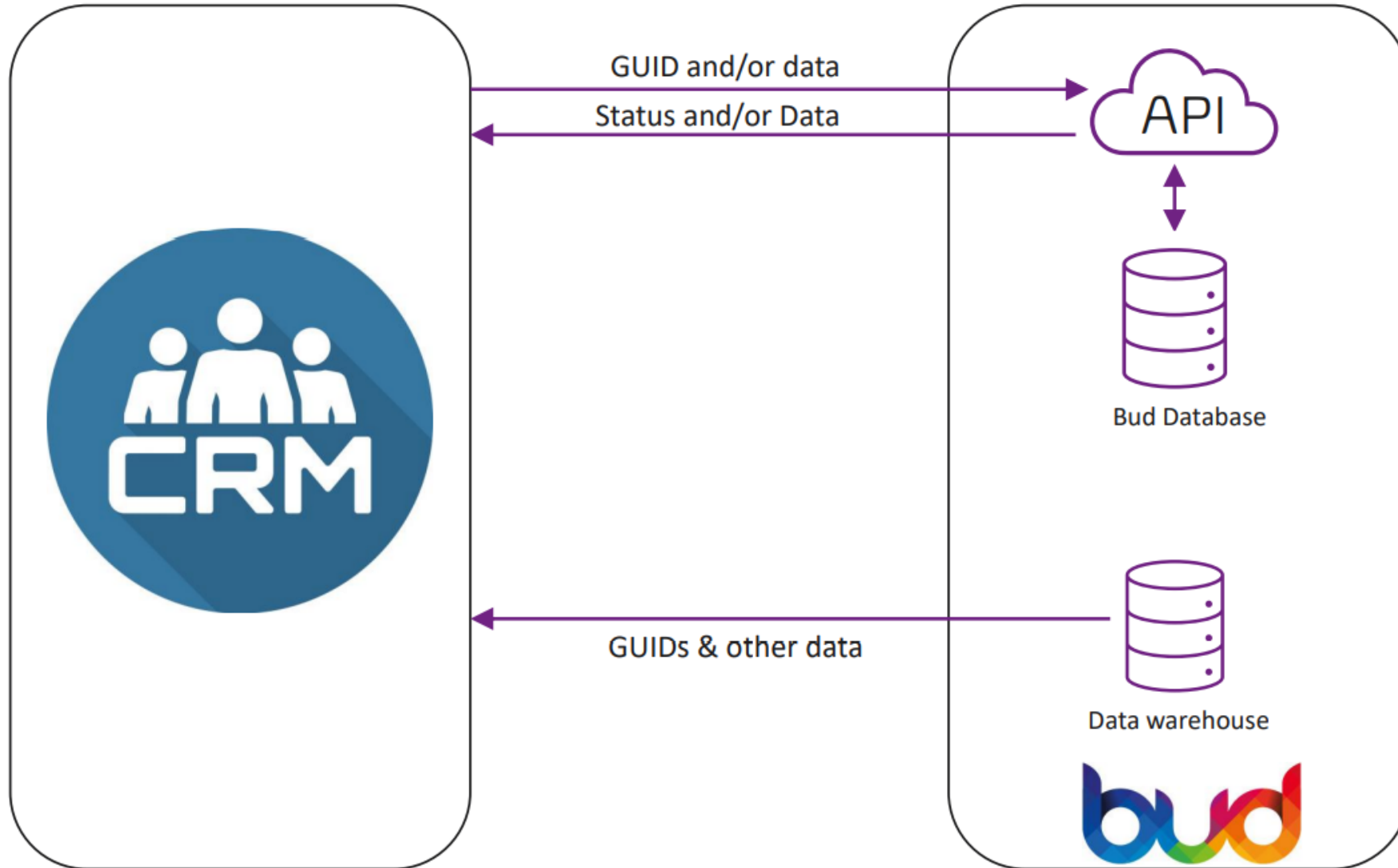
CRM → API: GUID and/or data

API → CRM: Status and/or Data

Bud Database

Data warehouse → CRM: GUIDs & other data

CAPABILITIES

Third Party API Integrations

Capabilities

Entity	Summary	Create	Read	Update
Apprentice Application	To create and retrieve application information.	X	X	
OST Application	To create an Applicant specifically for an OST programme. Note this utilises a new Gateway.	X		
Supporting Evidence	To create supporting evidence for an existing application.	X		
Qualification Evidence	To create qualification evidence for an existing application.	X		

Capabilities

Entity	Summary	Create	Read	Update
Employer	To create or update an Employer and change the parent of an Employer.	X	X	X
Employer Contact	To create Contacts associated Employers and update their personal information.	X		X
Activity	To add a submission to a Learning Plan activity or complete an activity.			X
Learning Plan	Retrieves the status of a learner and a list of their activities.		X	
Payment information	Update TNP prices on an existing funding illustration and create or update payments again a Learners funding record.	X		X

DEVELOPMENT SUPPORT

Third Party API Integrations

How do we help?

How to Articles

Our 'How To' articles provide information on how you could integrate with our APIs , along with additional information to support your planning and implementation.
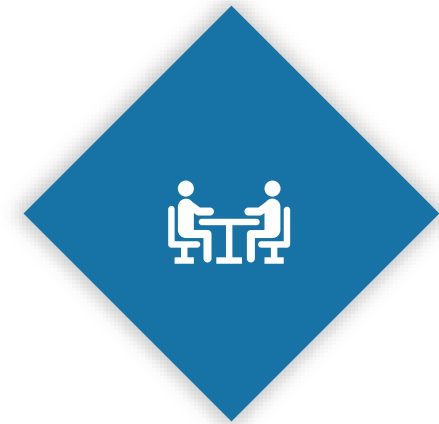
[ZenDesk Articles](#)

Developer hub

Our 'Developer Hub' provides details of our API end-points. Including authentication, methods, expected responses and models, along with a 'Try it out' function.

[Developer Hub (Apps)](#)

[Developer Hub (OST)](#)

Expert Consultation

In addition to the self-serve documentation, Bud can provide an expert to support and guide you

in leveraging our APIs. For more information, contact your Customer Success Manager.

Thank You

Please speak with your Customer Success Manager to find out more and to get started.