All Collections in Current ArangoDB

This document outlines the collections in the proposed ArangoDB graph representation of the MIM database.

Node Collections

Members
A node entity representing a member business in the system

Fields
  "Website", website_url
  "Tenancies", belonging to Made in the Midlands and/or Made in Yorkshire
  "Sic_codes", list of SIC codes from Companies House
  "Name", node identifier (name of the business from current Made database)
  "Membership_level", current membership level (Patron, Platinum, Gold, Silver, Bronze, Digital, Freemium)
  "Member_name", name of the business from current Made database
  "Directors", JSON object describing directors from Company Check
  "UK_divisions", list of divisions (inferred from SIC code)
  "UK_sectors", list of sectors (inferred from SIC code)
  "NetWorth_figure", net worth of business from Company Check
  "Regions", region list inferred from tenancies
  "UK_groups", SIC group (inferred from SIC code)
  "UK_classes", SIC class (SIC code)
  "Cash_figure", current cash figure from Company Check
  "Articles", a JSON object representing all of the articles that a member has posted

Users
A node entity representing a user who works at a member business in the system and is registered with the platform.

Fields
  "Full_name", first name + surname of user (taken from Made database)
  "Name", node identifier (Full_name)
  "Email", email address
  "Company_name", member business that they work in

Events
A node entity representing an event hosted by MadeInGroup

Fields
  "Venue", where the event is taking place
  "Tenants", Made in the Midlands / Made in Yorkshire
  "Event_type", one of "Webinar",
                        "Made Masterclass",

"Made Live TV",
"Meeting",
"Live Taster Events",
"Virtual Breakfast Mornings",
"Made Angels",
"Other",
"Backing Britain 3.0 Expo"

"Status", event is live
"Starts_at", time/date of event start
"Name", node identifier (event_name)
"Event_name", name of the event
"ends_at",time/date of event end
"Id", event id from Made database

Prospects
A node entity representing a prospect business.

Fields
  "Source", one of 'companies_house', 'base', 'competitors'
  "Sic_codes", list of SIC codes from Companies House
  "Region", one of 'yorkshire', 'midlands' based on postcode
  "Postcode", postcode of registered address on Companies House
  "Name", node identifier (company_registered_name)
  "Company_check_name", name listed on Company Check
  "Company_check_address", address listed on Company Check
  "Directors", JSON object listing directors from Company Check
  "Cash_figure", current cash figure from Company Check
  "TotalCurrentAssets_figure", total assets from Company Check
  "Coordinates", longitude, latitude array
  "UK_classes", SIC codes
  "NetWorth_figure", net work from Company Check
  "UK_divisions", divisions (inferred from SIC codes)
  "RegAddress_PostTown", town in registered address
  "RegAddress_Country", country in registered address
  "Longitude", longitude (inferred from postcode)
  "UK_groups", groups (inferred from SIC code)
  "TotalCurrentLiabilities_figure", total liabilities from Company Check
  "RegAddress_PostCode", postcode of registered address
  "RegAddress_AddressLine2", address line 2 of registered address
  "Latitude", latitude (inferred from postcode)
  "Website", company website
  "RegAddress_AddressLine1", address line 1 of registered address
  "UK_sectors", sectors (inferred from SIC code)
  "CompanyStatus", company status from Companies House

UKClasses

A node entity representing a possible business classification in the hierarchy. Each node is annotated with a type that specifies its level within the hierarchy.
class<group<division<sector

Fields
   "Type", one of 'sector', 'division', 'group', 'class'
   "Identifier", name of class
   "Name", node identifier (type_identifier)

Articles
A node entity representing an article in the system. (articles also appear as attributes for the member nodes).

Fields
   "Title", article title
   "Member_name", associated member name
   "Member_id", id of associated member
   "Content", body of article
   "Name", node identifier (title)
   "Category_name", one of "Member News",
                     "Made News",
                     "Blogs",
                     "Coronavirus Updates",
                     "Made Futures",
                     "Member Notice Board",
                     "Westminster"

   "Id", article id from Made database

Event Sessions
A node entity representing a specific session at an event. Users who attend an event attend two sessions at that event.

Fields
   "Session_name", name of the session
   "Name", node identifier (session_name)
   "Event_name", name of the event where the session is held at
   "Event_id", id of event where session is held at
   "Id", id of the session from Made database

Commerces
A node entity to represent things that members buy and sell.

Fields
   "Id", commerce id from Made database
   "Commerce", commerce name from Made database
   "Name", node identifier (commerce)
   "Category", commerce category from Made database

Sectors

A node entity representing sectors that members belong to (taken from the Made database).

Fields
  "Sector_name", sector name from Made database
  "Id", sector id from Made database
  "Name" node identifier (sector name)

Edge Collections

Event Attendees

Edges connecting users to events that they register to attend.

Fields
  "Name", node identifier (full_name_event_name)
  "Attended", did use attend event
  "_from", user node id
  "_to", event node id

EventHasSession

Edges connecting events to their sessions.

Fields
  "Name", node identifier (event_name_session_name)
  "_from", event node id
  "_to", session node id

EventSessionAttendees

Edges connecting users to event sessions

Fields
  "Name", node identifier (full_name_attends_event_session_name)
  "_from", user node id
  "_to", event session node id

InSector

Edges connecting members to sectors(from Made database)

Fields
 "Name", node identifier (member_name_in_sector_name)
  "_from", member node id
  "_to", sector node id

MemberMemberFollows

Edges connecting members together if a user from one member follows the other

Fields
   "Name", node identifier (member_name_follows_member_name)
   "Followed_by", user in member who follows

   "_from", member node id
   "_to", member node id

MembersToClass
Edges connecting members to UKClasses (automatically connecting them to groups, divisions and sectors)

Fields
   "Name", node identifier (member_name_in_class)
   "_from", member node id
   "_to", UKClass node id

Messages
Edges connecting users who have messaged each other.

Fields
  "Sent_at", date/time message was sent
   "Name", node identifier (message subject line)
   "Message", message body
   "_from", user node id
   "Subject", subject line
   "_to", user node id

PerformsCommerce
Edges connecting members to what they buy/sell. Each edge is annotated with either buy or sell.

Fields
 "Name", node identifier (member_name_performs_commerce_name)
   "Commerce_type", one of buys/sells
   "_from", member node id
   "_to", commerce node id

ProspectsToClass
Edges connecting prospect businesses to UKClasses.

Fields
   "Name", node identifier (prospect_name_to_class_name)
   "_from", prospect node id
   "_to", UKClass node id

UKClassHierarchy

Edges connecting classes to higher levels in the hierarchy. Class->group->division->sector

Fields
   "Name", node identifier (class_name_is_a_class_name)
   "_from", UKClass node id
   "_to", UKClass node id

UserFollows
Edges connecting users to the member businesses that they follow.

Fields
   "Name", node identifier (user_name_follows_member_name)
   "_from", user node id
   "_to", member node id

UserWorksAt
Edges connecting users to the member businesses that they work at.

Fields
   "Name", node identifier (user_name_works_at_member_name)
   "_from", user node id
   "_to", member_node id