

The Type Hierarchy

Here is the entire hierarchy in a single file.

Types that have multiple parents are expanded out only once and have an asterisk

DataType

- | Boolean
- | Date
- | Number
- | | Float
- | | Integer
- | Text
- | | URL

Thing: name, url, image, description

- | CreativeWork: encodings, headline, keywords, about, datePublished
- | author, contentRating, inLanguage, audio, video
- | genre, editor, awards, publisher, isFamilyFriendly
- | contentLocation, interactionCount, aggregateRating, offers, reviews
- | | Article: articleSection, articleBody
- | | | BlogPosting
- | | | NewsArticle
- | | | ScholarlyArticle
- | | Blog: blogPosts
- | | Book: illustrator, bookEdition, bookFormat, numberOfPages, isbn
- | | ItemList: itemListElement
- | | Map
- | | MediaObject: encodesCreativeWork, width, height, regionsAllowed, embedURL
- | | bitrate, encodingFormat, playerType, duration, expires
- | | contentURL, requiresSubscription, uploadDate, contentSize, interactionCount
- | | offers
- | | | AudioObject
- | | | ImageObject: thumbnail, representativeOfPage, caption, exifData
- | | | MusicVideoObject
- | | | VideoObject: thumbnail, productionCompany, caption, videoQuality, videoFrameSize

	Movie : duration, director, actors, producer, trailer
	productionCompany, musicBy
	MusicPlaylist : tracks, numTracks
	MusicAlbum : byArtist
	MusicRecording : duration, byArtist, inAlbum, inPlaylist
	Painting
	Photograph
	Recipe : prepTime, cookTime, cookingMethod, totalTime, nutrition
	ingredients, recipeInstructions, recipeYield, recipeCuisine, recipeCategory
	Review : reviewBody, itemReviewed, reviewRating
	Sculpture
	TVEpisode : director, actors, producer, trailer, productionCompany
	partOfTVSeries, partOfSeason, episodeNumber, musicBy
	TVSeason : trailer, episodes, partOfTVSeries, seasonNumber, numberOfEpisodes
	startDate, endDate
	TVSeries : director, actors, producer, trailer, productionCompany
	episodes, seasons, numberOfEpisodes, musicBy, startDate
	endDate
	WebPage : breadcrumb, mainContentOfPage, primaryImageOfPage, isPartOf, significantLinks
	AboutPage
	CheckoutPage
	CollectionPage
	ImageGallery
	VideoGallery
	ContactPage
	ItemPage
	ProfilePage
	SearchResultsPage
	WebPageElement
	SiteNavigationElement
	Table
	WPAdblock
	WPFooter
	WPHeader
	WPSideBar
	Event : duration, location, startDate, endDate, performers
	attendees, subEvents, superEvent, offers
	BusinessEvent
	ChildrensEvent
	ComedyEvent
	DanceEvent
	EducationEvent
	Festival
	FoodEvent
	LiteraryEvent
	MusicEvent
	SaleEvent
	SocialEvent
	SportsEvent

	TheaterEvent
	UserInteraction
	UserBlocks
	UserCheckins
	UserComments
	UserDownloads
	UserLikes
	UserPageVisits
	UserPlays
	UserPlusOnes
	UserTweets
	VisualArtsEvent
	Intangible
	Enumeration
	BookFormatType
	ItemAvailability
	OfferItemCondition
	Language
	Offer : aggregateRating, reviews, price, priceCurrency, priceValidUntil seller, itemCondition, availability, itemOffered
	AggregateOffer : lowPrice, highPrice, offerCount
	Quantity
	Distance
	Duration
	Energy
	Mass
	Rating : bestRating, worstRating, ratingValue
	AggregateRating : itemReviewed, ratingCount, reviewCount
	StructuredValue
	ContactPoint : email, telephone, faxNumber, contactType
	PostalAddress : streetAddress, addressLocality, addressRegion, postalCode, postOfficeBoxNu addressCountry
	GeoCoordinates : latitude, longitude, elevation
	NutritionInformation : servingSize, calories, fatContent, saturatedFatContent, unsaturatedFatConter transFatContent, carbohydrateContent, sugarContent, fiberContent, prot cholesterolContent, sodiumContent
	Organization : interactionCount, location, employees, members, foundingDate founders, contactPoints, email, events, address telephone, faxNumber, aggregateRating, reviews
	Corporation
	EducationalOrganization : alumni
	CollegeOrUniversity
	ElementarySchool
	HighSchool
	MiddleSchool
	Preschool
	School
	GovernmentOrganization
	LocalBusiness : branchOf, openingHours, paymentAccepted, currenciesAccepted, priceRange

			<u>AnimalShelter</u>
			<u>AutomotiveBusiness</u>
			<u>AutoBodyShop</u>
			<u>AutoDealer</u>
			<u>AutoPartsStore</u>
			<u>AutoRental</u>
			<u>AutoRepair</u>
			<u>AutoWash</u>
			<u>GasStation</u>
			<u>MotorcycleDealer</u>
			<u>MotorcycleRepair</u>
			<u>ChildCare</u>
			<u>DryCleaningOrLaundry</u>
			<u>EmergencyService</u>
			<u>FireStation</u>
			<u>Hospital</u>
			<u>PoliceStation</u>
			<u>EmploymentAgency</u>
			<u>EntertainmentBusiness</u>
			<u>AdultEntertainment</u>
			<u>AmusementPark</u>
			<u>ArtGallery</u>
			<u>Casino</u>
			<u>ComedyClub</u>
			<u>MovieTheater</u>
			<u>NightClub</u>
			<u>FinancialService</u>
			<u>AccountingService</u>
			<u>AutomatedTeller</u>
			<u>BankOrCreditUnion</u>
			<u>InsuranceAgency</u>
			<u>FoodEstablishment: menu, acceptsReservations, servesCuisine</u>
			<u>Bakery</u>
			<u>BarOrPub</u>
			<u>Brewery</u>
			<u>CafeOrCoffeeShop</u>
			<u>FastFoodRestaurant</u>
			<u>IceCreamShop</u>
			<u>Restaurant</u>
			<u>Winery</u>
			<u>GovernmentOffice</u>
			<u>PostOffice</u>
			<u>HealthAndBeautyBusiness</u>
			<u>BeautySalon</u>
			<u>DaySpa</u>
			<u>HairSalon</u>
			<u>HealthClub</u>
			<u>NailSalon</u>
			<u>TattooParlor</u>

			<u>HomeAndConstructionBusiness</u>
			<u>Electrician</u>
			<u>GeneralContractor</u>
			<u>HVACBusiness</u>
			<u>HousePainter</u>
			<u>Locksmith</u>
			<u>MovingCompany</u>
			<u>Plumber</u>
			<u>RoofingContractor</u>
			<u>InternetCafe</u>
			<u>Library</u>
			<u>LodgingBusiness</u>
			<u>BedAndBreakfast</u>
			<u>Hostel</u>
			<u>Hotel</u>
			<u>Motel</u>
			<u>MedicalOrganization</u>
			<u>Dentist</u>
			<u>Hospital</u> *
			<u>MedicalClinic</u>
			<u>Optician</u>
			<u>Pharmacy</u>
			<u>Physician</u>
			<u>VeterinaryCare</u>
			<u>ProfessionalService</u>
			<u>AccountingService</u> *
			<u>Attorney</u>
			<u>Dentist</u> *
			<u>Electrician</u> *
			<u>GeneralContractor</u> *
			<u>HousePainter</u> *
			<u>Locksmith</u> *
			<u>Notary</u>
			<u>Plumber</u> *
			<u>RoofingContractor</u> *
			<u>RadioStation</u>
			<u>RealEstateAgent</u>
			<u>RecyclingCenter</u>
			<u>SelfStorage</u>
			<u>ShoppingCenter</u>
			<u>SportsActivityLocation</u>
			<u>BowlingAlley</u>
			<u>ExerciseGym</u>
			<u>GolfCourse</u>
			<u>HealthClub</u> *
			<u>PublicSwimmingPool</u>
			<u>SkiResort</u>
			<u>SportsClub</u>

			StadiumOrArena
			TennisComplex
		Store	
			AutoPartsStore *
			BikeStore
			BookStore
			ClothingStore
			ComputerStore
			ConvenienceStore
			DepartmentStore
			ElectronicsStore
			Florist
			FurnitureStore
			GardenStore
			GroceryStore
			HardwareStore
			HobbyShop
			HomeGoodsStore
			JewelryStore
			LiquorStore
			MensClothingStore
			MobilePhoneStore
			MovieRentalStore
			MusicStore
			OfficeEquipmentStore
			OutletStore
			PawnShop
			PetStore
			ShoeStore
			SportingGoodsStore
			TireShop
			ToyStore
			WholesaleStore
		TelevisionStation	
		TouristInformationCenter	
		TravelAgency	
	NGO		
	PerformingGroup		
		DanceGroup	
		MusicGroup :	tracks, albums
		TheaterGroup	
	SportsTeam		
	Person :	awards, interactionCount, jobTitle, affiliation, worksFor alumniOf, memberOf, contactPoints, workLocation, homeLocation gender, email, birthDate, deathDate, nationality relatedTo, spouse, parents, children, siblings colleagues, knows, performerIn, follows, address telephone, faxNumber	
	Place :	interactionCount, containedIn, photos, geo, events	

	maps, address, telephone, faxNumber, aggregateRating
	reviews
	<u>AdministrativeArea</u>
	<u>City</u>
	<u>Country</u>
	<u>State</u>
	<u>CivicStructure</u> : openingHours
	<u>Airport</u>
	<u>Aquarium</u>
	<u>Beach</u>
	<u>BusStation</u>
	<u>BusStop</u>
	<u>Campground</u>
	<u>Cemetery</u>
	<u>Crematorium</u>
	<u>EventVenue</u>
	<u>FireStation</u> *
	<u>GovernmentBuilding</u>
	<u>CityHall</u>
	<u>Courthouse</u>
	<u>DefenceEstablishment</u>
	<u>Embassy</u>
	<u>LegislativeBuilding</u>
	<u>Hospital</u> *
	<u>MovieTheater</u> *
	<u>Museum</u>
	<u>MusicVenue</u>
	<u>Park</u>
	<u>ParkingFacility</u>
	<u>PerformingArtsTheater</u>
	<u>PlaceOfWorship</u>
	<u>BuddhistTemple</u>
	<u>CatholicChurch</u>
	<u>Church</u>
	<u>HinduTemple</u>
	<u>Mosque</u>
	<u>Synagogue</u>
	<u>Playground</u>
	<u>PoliceStation</u> *
	<u>RVPark</u>
	<u>StadiumOrArena</u> *
	<u>SubwayStation</u>
	<u>TaxiStand</u>
	<u>TrainStation</u>
	<u>Zoo</u>
	<u>Landform</u>
	<u>BodyOfWater</u>
	<u>Canal</u>
	<u>LakeBodyOfWater</u>

				<u>OceanBodyOfWater</u>
				<u>Pond</u>
				<u>Reservoir</u>
				<u>RiverBodyOfWater</u>
				<u>SeaBodyOfWater</u>
				<u>Waterfall</u>
			<u>Continent</u>	
			<u>Mountain</u>	
			<u>Volcano</u>	
		<u>LandmarksOrHistoricalBuildings</u>		
		<u>LocalBusiness</u> *		
		<u>Residence</u>		
			<u>ApartmentComplex</u>	
			<u>GatedResidenceCommunity</u>	
			<u>SingleFamilyResidence</u>	
		<u>TouristAttraction</u>		
	<u>Product</u> :	brand, model, aggregateRating, productID, manufacturer		
		offers, reviews		

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