

Data Access Tags

Using the *Contact_Info data access tag (DAT) you can add certain contact information to Object Reports, Report Cards, Mailing Labels, and Form Letters by formatting various expressions. DATs can also be used on your own custom pages, and to export data through traditional export tools such as Quick Export and AutoSend.

Before Getting Started

Some important items to note before getting started:

- The *Contact_Info DAT is always run from the student's perspective.
- The DAT starts with a list of contacts for each student, ordered based on the priority order than can be seen on the Students Contact page.
- Each contact can have a number of addresses, emails, or phone numbers that are sorted in ascending priority order for each category. These contact items have attributes such as "Type" than can be used to filter the list.
- The items in the remaining filtered list are assigned a temporary index for reference within the DAT. For example, when a contact has 2 phones with type "Home" and 2 phones with type "Work", if the DAT has filtered to only Home phones then then index 2 will reference the second "Home" phone even if it started out as the 3rd phone number in the unfiltered list.
- If an expression resolves to nothing, an empty string is returned. For example, a request to display the 3rd Home phone in a list of 2.
- If an expression is not allowed to return a field due to the user's Field Level Security role restrictions, a string of five asterisks is returned (*****).
- It is possible for historical and future relationship detail records to exist between a single contact and student. Only one relationship detail record can be 'Active' on any given day. The *Contact_Info DAT only considers the relationship detail record that is active on the day the DAT is used.

Syntax

The following outlines the general forms for calling the *Contact_Info DAT in different areas of PowerSchool:

Specific date values are specified as date	mm/dd/yyyy
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Form on WEB page	~(*contact_info[;...])
Form on Object Report	~(*contact_info[;...]) ^(*contact_info[;...])
Form in Quick Export	~(*contact_info[;...]) ^(*contact_info[;...])
From Student Fields	*contact_info[;...]

Default (No Arguments)

For the quickest results in calling the *Contact_Info DAT in PowerSchool, use ~(*contact_info). Doing so, returns the student's first contact's prefix, first name, middle name, last name, and suffix.

Grammar

- Arguments within the code are separated by semicolon.
- Keywords are separated from arguments by an equal sign.
- Specific date values are specified as date:mm/dd/yyyy.

Workflow Overview

Step 1: Determine Who	<ul style="list-style-type: none"> • Start with all contacts for a student • Filter by relationship flags • Filter by AsOf (person) • Filter by relationship code value • Sort the remaining contacts by priority order • Truncate list at the specified max persons value (if present) • Evaluate which person (index into the current list)
Step 2: Determine What	<ul style="list-style-type: none"> • Process the contact by category, extracting field values • Categories are processed in this order: <ul style="list-style-type: none"> • Demographics (Dem) • Relationship (Rel) • Phone

	<ul style="list-style-type: none"> • Email • Address
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Who to Include

Queries are from the context of the currently selected student. From there, the contact list is narrowed down using the following predicates:

Rel (Relationship)

What	Filter contacts by the relationship to the student.
Keyword	Rel
Default	All
Values	All, or a comma separated list of relationship type codes, such as Mother, Father Note: List order is not important - contacts are ordered by priority, not relationship type.
Example	~(*Contact_Info;Rel=All)

Flags (Relationship Flags)

What	Filter contacts by relationship flags set on a contact-student relationship record.
Keyword	Flags
Default	None Note: The default behavior is to show only active contacts.
Values	A comma separated list of:

	<ul style="list-style-type: none"> • Include-Inactive • Only-Inactive • Custodial • Non-Custodial • Emergency • Non-Emergency • Lives-With • Not-Lives-With • School-Pickup • Not-School-Pickup • Receives-Mail • Not-Receives-Mail • Dataaccess • Not-Dataaccess
Example	~(*contact_info;flags=include-inactive)

Asof-Pers (As Of Person)

Note: Contacts can have multiple historical or future relationship detail records, but only the Active Relationship Detail record is considered when evaluating for asof-pers.

What	Filter the list of contacts associated with the student to those valid on a particular date.
Keyword	Asof-Pers
Default	Current (today)
Values	<p>A specific date, or a comma separated list of the following keywords: current, past, future, active, all</p> <p>Note:</p> <ul style="list-style-type: none"> • Current - Includes contacts active today. • Past - Includes yesterday's active contacts; cannot have a start or end date after today.

	<ul style="list-style-type: none"> • Future - Includes tomorrow's active contacts, cannot have a start or end date before today. • Active - Contact with contact details closest to today's date. There can only be one active contact. Active contacts should not be confused with activating a contact. <p>Note: A date is specified in the form: date:mm/dd/yyyy.</p>
Example	<ul style="list-style-type: none"> • ~(*contact_info;asof-pers=current) • ~(*contact_info;asof-pers=current,past,future) • ~(*contact_info;asof-pers=date:03/30/2017)

Max-Pers (Max Persons)

What	Limit the number of contacts in the report.
Keyword	Max-Pers
Default	1
Values	All, or a number indicating how many people to include
Example	~(*contact_info;max-pers=1)

Which-Pers (Which Person)

What	Extract a contact from the list of contacts associated with a student.
Keyword	Which-Pers
Default	All
Values	All, or a number indicating which index in the list

Example	~(*contact_info;which-person=all) Note: Which-pers is evaluated after max-pers and sorted by priority order
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What Data to Include

Cat (Category)

Note: Categories are processed in the following order: dem, rel, phone, email, addr.

What	Determines which categories of contact data to include.
Keyword	Cat
Default	Demo
Values	All, or a comma separated list of rel, demo, phone, email, addr
Example	~(*contact_info;cat=all) Note: If an unrecognized category is passed we default to dem (demographics).

Which-Val (Which Value)

What	Select an item from the list of items in the category.
Keyword	Which-Val
Default	1
Values	All, or a number indicating which index in the list Note: This setting is applied across all included categories.
Example	~(*contact_info;which-val=1)

Type

What	Filter output to include only the specified types of data.
Keyword	Type
Default	All
Values	All, or any valid type code for the selected categories Note: This setting is applied across all included categories
Example	~(*contact_info;type=all)

Asof-Val (As Of Value)

What	Filter output to items valid at a particular time.
Keyword	Asof-Val
Default	Current
Values	Date, or comma separated list of past, current, future, all Note: This setting is only supported for addresses (specifically not email, or phone number). A date is specified in the form: date:mm/dd/yyyy.
Example	<ul style="list-style-type: none"> ~(*contact_info;as-of=current) ~(*contact_info;as-of=date:12/31/2017)

Val (Value)

What	What values from a category to report.
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Keyword	<p>Val Demographics values:</p> <ul style="list-style-type: none">• Active• Employer• Firstname• Gender• Lastfirst (lastName, firstName middleName)• Lastname• Middlename• Prefix• Stateid• Statenum• Suffix <p>Relationship values:</p> <ul style="list-style-type: none">• Active• Custody• Dataaccess• Emergency• Enddate• Liveswith• Receivesmail• Relationship• Schoolpickup• Srexcluded• Startdate <p>Address values:</p> <ul style="list-style-type: none">• City• Country• Enddate• Line2• Startdate• Stateprovince• Street• Type• Unit• Postalcode
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	<p>Phone values:</p> <ul style="list-style-type: none"> • Phone • Preferred • Sms • Type <p>Email values:</p> <ul style="list-style-type: none"> • Email • Primary • Type
Default	All
Values	All, or a comma separated list of object fields
Example	~(*contact_info;val=all)

Display/format Options

Delimiters

Delimiters are used to offset different pieces of data from one another. Of special interest are:

Comma (,)	A comma followed by a space. Use this as a delimiter for a report.
Barecomma (,)	A comma with no padding. Use this as a delimiter for an export.

Contact-Delim (Contact Delimiter)

What	Specifies the delimiter to use between multiple contacts.
Keyword	Contact-Delim

Default	DFL
Values	DLF (double line-feed), LF (line-feed), P (HTML paragraph: <p>), br (HTML break:), comma (,), semicolon (;), space (), pipe ()
Example	~(*contact_info;contact-delim=dlf)Â

Item-Delim (Item Delimiter)

What	Specifies the delimiter to use between multiples of the same item, such as multiple phones, multiple addresses, etc.
Keyword	Item-Delim
Default	Comma
Values	DLF (double line-feed), LF (line-feed), P (HTML paragraph: <p>), br (HTML break:), comma (,), semicolon (;), space (), pipe () Note: Reports do not honor LF or DLF; use P or B instead.
Example	~(*contact_info;item-delim=comma)

Value-Delim (Value Delimiter)

What	Specifies the delimiter to use between multiple values specified by the value parameter.
Keyword	Value-Delim
Default	Space
Values	DLF (double line-feed), LF (line-feed), P (HTML paragraph: <p>), br (HTML break:), comma (,), semicolon (;), space (), pipe () Note: Reports do not honor LF or DLF; use P or B instead.

Example	~(*contact_info;value-delim=lf)
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Cat-Delim (Category Delimiter)

What	Specifies the delimiter to use between multiple categories, such as demographics, email, etc.
Keyword	Cat-Delim
Default	LF
Values	DLF (double line-feed), LF (line-feed), P (HTML paragraph: <p>), br (HTML break:), comma (,), semicolon (;), space (), pipe () Note: Reports do not honor LF or DLF; use P or B instead.
Example	~(*contact_info;contact-delim=dlf)Â

Localization

Locale

What	Specifies the locale to use when decoding dates.
Keyword	Locale
Default	Us_EN
Values	Valid locale code, such as el_GR
Example	~(*contact_info;locale=us_EN) Note: Date strings used in the DAT arguments are always entered in MM/dd/YYYY format. Only the return value is localized.