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# Designer User's Guide

Transaction List Block

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- Administrator

Use this block when you want to assign transaction list values to variables.

### Related documentation:

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## Using this block

You can use the **Transaction List** block when you want your Designer application to lookup a certain value in a transaction list and store it in a variable.

To use this block, add it to your application and click **Add Assignment**. Select the variable that will hold the assigned value, and then specify the details for the transaction list value you want Designer to lookup.

### Tip

Using a **Transaction List** block can be useful in certain scenarios. But for more advanced database handling in Designer, Data Tables are recommended.

## Example

In this example, we want our application to obtain a password value from a transaction list.

### Properties - Transaction List



This block can assign transaction list values to variables. Define a variable in the Initialize phase and select it in this block to assign it a value from a transaction list. Variables are assigned string values when List, Item and Key are all specified or key/value pairs {{Key1:value1, Key2:Value2, ...}} if only List and Item are specified.



+ Add Assignment

Variable	List	Item	Variable?	Key	Delete
TxListValue	CaseLookupAPI	APIKey	<input type="checkbox"/>	password	

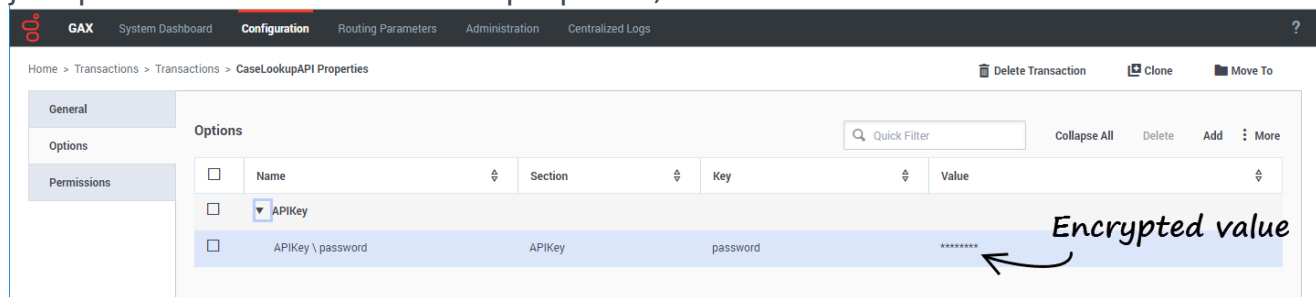
We've defined a variable called **TxListValue** to hold this value. After adding the

block to the application, we select that variable and provide the details for the transaction list value we want to assign it. In this case, we've told Designer to assign it the value for **password** in the **APIKey** section of the **CaseLookupAPI** transaction list.

### Tip

Variables are assigned string values when **List**, **Item**, and **Key** are all specified, or key-value pairs if you only specify **List** and **Item** (for example, {Key1:value1, Key2:Value2}).

Here is how our example lookup request maps back to the actual transaction list resource (you may not have access to view or modify transaction lists, so this is just provided for informational purposes):



The screenshot shows the GAX Configuration page for 'CaseLookupAPI Properties'. On the left, there are tabs for 'General', 'Options', and 'Permissions'. The 'Options' tab is active, displaying a table with columns: Name, Section, Key, and Value. The table contains two entries: 'APIKey' and 'APIKey \ password'. The 'APIKey \ password' entry has its 'Value' field masked with asterisks. A handwritten note 'Encrypted value' with an arrow points to the masked value.

Name	Section	Key	Value
APIKey			
APIKey \ password	APIKey	password	*****

Notice that the **password** value is encrypted (i.e. masked by asterisks). If the **Key** of a transaction list option is specified as being a **password**, the **Value** of the field is automatically hidden. However, Designer is able to read these encrypted values and use them in applications, while maintaining the secure handling.

To learn more about how Designer handles secured data in variables, see [Securing Variables](#).