# Extract

Extract a field from a record, CSV element or SQL field.

## Phase

This instruction is used by the TapeTrack Import Engine.

## Syntax

```
Extract(field, offset, length, record);
```

| Variable | Type | Description | Min Length | Max Length | Min Value | Max Value |
|---|---|---|---|---|---|---|
| field | String | The field to be set by this extraction. | 1 | 128 | | |
| offset | Integer | The zero based offset of the data to be extract, or the element index of a CSV element or SQL element. In the event that the data being processed is CSV based, a value of zero indicates that the raw CSV string should be extracted rather than an individual CSV element. | 1 | 10 | -214748364 | 2147483647 |
| length | Integer | The length of the data to be extracted if the data is text based, or the maximum data length for CSV or SQL data. | 1 | 10 | -214748364 | 2147483647 |
| record | Integer | The record within a header, if the value is non-zero and the data is text based. A record that is not a header if the value is zero and the data is text based. For CSV and SQL data this argument is ignored. | 1 | 10 | -214748364 | 2147483647 |

## Example

Extract VOLUME field from offset 10, length 6 of the body of a report.

```
Extract(VOLUME, 10, 6, 0);
```

Extract VOLUME field from the 2nd element of a CSV file.

```
SetCSVDelimiter(",");
Extract(VOLUME, 2, 6, 0);
```

Extract REPOSITORY field from offset 70, length 4 of the 3rd record of a header.

```
Extract(REPOSITORY, 70, 4, 3);
```

## See Also

Import Engine Functions
Sync Engine Fields
TMSS10Sync

import engine, sync engine

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