# 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);
```

*string field;*
*integer offset;*
*integer length;*
*integer record;*

| | |
|---|---|
| field | The field to be set by this extraction. |
| offset | 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. |
| length | The length of the data to be extracted if the data is text based, or the maximum data length for CSV or SQL data. |
| record | 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. |

### Example

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

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

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

```
SetCSVDelimiter(“,”);
Extract(VOLUME, 2, 6, 0);
```

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

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

import engine, sync engine

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