

### Content Type DSL

|  |   |
|--|---|
| <code>migration.createContentType('dog')</code>  | Create a new content type with given id                     |
| <code>.name('Dog')</code>                        | Set content type display name                               |
| <code>.description('A type of animal')</code>    | Set content type description                                |
| <code>.displayField('name')</code>               | ID of field to be used for entry title in Contentful editor |
| <code>.createField('owner', options?)</code>     | Create a new field on the content type                      |
| <code>.editField('owner', options?)</code>       | Edit the given field  |
| <code>.moveField('owner').toTheTop()</code>      | Move the field up or down in Contentful editor              |
| <code>.deleteField('owner')</code>               | Delete the field from the content type                      |
| <code>.changeFieldId('woofs', 'numWoofs')</code> | Change the JSON <code>fields[i].id</code>                   |

### Fields DSL

|  |   |
|--|---|
| <code>dog.createField('owner')</code>  | Create a field  |
| <code>.name('Owner')</code>            | Set display name in Contentful editor                     |
| <code>.type('Symbol')</code>           | Set field type - see below                                |
| <code>.items(options)</code>           | Only when type is 'Array' - define type of items in array |
| <code>.linkType('Entry')</code>        | Only when type is 'Link' - define type to link to         |
| <code>.validations([ { ... } ])</code> | Set validations on a field                                |
| <code>.required(true)</code>           | Set field as required                                     |
| <code>.localized(true)</code>          | Set field as having translations                          |
| <code>.disabled(true)</code>           | Set field to be not editable                              |
| <code>.omitted(true)</code>            | Set field to not be sent over CDN                         |
| <code>.deleted(true)</code>            | Deletes the field   |

### Field Types

|         |   |
|---------|---|
| Symbol  | Short text max 256 chars                    |
| Text    | Long text - markdown - max 50k chars        |
| Integer | signed integer $-2^{53}$ to $2^{53}$        |
| Number  | floating point number $-2^{53}$ to $2^{53}$ |

### Field Types (cont)

|          |  |
|----------|--|
| Date     | ISO 8601 date and time string. Can come back with no TZ info, ex. "2015-11-06T09:45:27"                              |
| Location | lat-lon pair ex. {"lat": 52.5208, "lon": 13.4049}  |
| Boolean  | true or false  |
| Link     | Link to another entry or asset, ex. {"sys": {"type": "Link", "linkType": "Asset", "id": "23qqd1TciMGm6IYy224euu" } } |
| Object   | raw JSON   |
| Array    | Array of any of the above, ex. [1.2, 2.9, 3.1]   |

### Validations

|  |  |
|--|--|
| <code>linkContentType: ['dog']</code>  | Which content type IDs can be linked to. Array of strings.                       |
| <code>in: ['TX', 'OK']</code>  | Predefined option set for this field, i.e. dropdown list                         |
| <code>linkMimetypeGroup: [ 'image', 'video' ]</code>                                 | Types of assets which can be linked  |
| <code>size: { max: 999, min: 1 }</code>  | Min/Max number of objects (only for 'Array' field type)                          |
| <code>range: { max: 999.9, min: 1 }</code>   | Min/Max value of numeric field ('Integer' or 'Number')                           |
| <code>regex: { pattern: "^such", flags: "i" }</code>                                 | Regex that the string field must match ('Symbol' or 'Text')                      |
| <code>unique: true</code>  | No other entries have the same field value. Ex. <code>slug: "/contact-us"</code> |
| <code>dateRange: { min: '2018-01-01T00:00:00', max: '2018-12-31T23:00:00' }</code>   | Min/Max for dates, with or without timezone                                      |
| <code>assetImageDimensions: { width: { min:, max: }, height: { min:, max: } }</code> | Limits on dimensions of linked images  |
| <code>assetFileSize: { min:, max: }</code>   | Limit on file size. 1kb = 1024   |
| <code>message</code>   | Custom error message for this validation   |

