Managing Message Revisions



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Overview



Reserved Fields

Rules and Recommendations

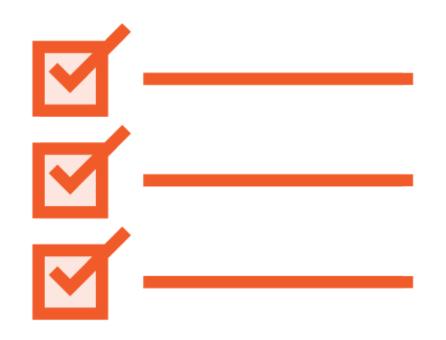


```
message Foo {
   int32 id = 1;
   string name = 2;
```

```
message Foo {
   int32 id = 1;
   string email = 2;
   string first_name = 3;
   string last_name = 4;
```

```
message Foo {
   int32 id = 1;
   string name = 2;
```

```
message Foo {
   int32 id = 1;
   string email = 5;
   string first_name = 3;
   string last_name = 4;
   reserved 2;
```



```
reserved 1;
reserved 1, 2, 3;
reserved 5 to 10;
reserved 2, 4, 15 to 25;
```



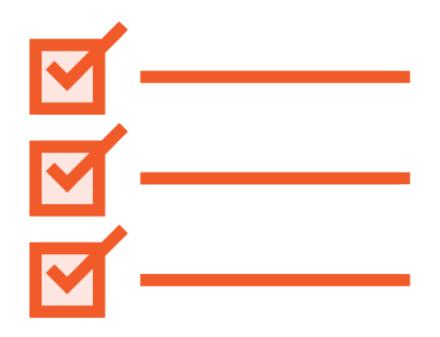
```
message Foo {
   int32 id = 1;
  string full name = 2:
     "id":
     "fullName": "..."
```

```
message Foo {
   int32 id = 1;
   string full_name = 5;
   string first_name = 3;
     "id": 42,
     "fullName": "..."
     "firstName": "..."
     "lastName": "..."
```

```
message Foo {
   int32 id = 1;
   string full_name = 2;
```

```
message Foo {
   int32 id = 1;
   string whole_name = 5;
   string first_name = 3;
   string last_name = 4;
   reserved "full_name"
```



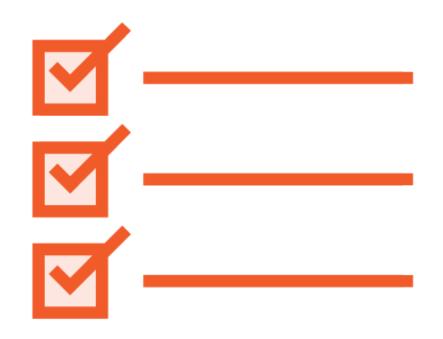


```
reserved "field_name";
reserved "first_field", "second";
```



Demo with reserving tags and field names also throw in [deprecated=true]





Don't change tags for existing fields
Reserve old tags and field names
Prefix old field names with OBSOLETE_

Compatible Types

int32, uint32, int64, uint64, bool

sint32, sint64

string, bytes

fixed32, sfixed32, fixed64, sfixed64



Summary



Reserved Fields

Reserved Tags

Rules and Recommendations

