# Version Control Reference

Manage solution versions and history.



Version Control (Reference): Maintains summaries by Module and Configuration Table of current versions and last modifications for all solution elements.

**Access:** Track Changes  Version Control

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## Purpose

Version Control data automatically ensures consistency when connecting to Runtime for online changes. Designer's Runtime/Diagnostics interface compares configuration versions with running solution versions to determine online configuration capability.

## Table Columns

### Default Visible Columns

| Column | Description |
|---|---|
| **VersionID*** | Version identifier |
| **Module*** | Module name |
| **TableType*** | Database table classification |
| **Lines*** | Number of entries |
| **ChangedSinceBuild*** | Changes after last build |
| **DateModified*** | Last modification date |

### Additional Columns

| Column | Description |
|---|---|
| **ID** | Unique record identifier |
| **ChangedSincePublish** | Changes after last publish |
| **DateCreated** | Record creation date |

*Columns marked with * are displayed by default

## Online Configuration

Version Control enables:

| Feature | Function |
|---|---|
| **Consistency Check** | Validates configuration versions |
| **Hot Reload** | Determines safe online changes |
| **Sync Status** | Shows out-of-date modules |
| **Conflict Detection** | Identifies version mismatches |

## Navigation

**Double-click** any row to navigate to that configuration table in Designer.

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## Use Cases

### Development

- Track module changes between builds
- Identify modified tables
- Monitor solution evolution

### Deployment

- Verify build readiness
- Check publish status
- Confirm version alignment

### Maintenance

- Identify stale modules
- Track modification patterns
- Plan updates systematically

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## Integration

### With Runtime

- Enables online configuration updates
- Validates hot reload compatibility
- Synchronizes changes dynamically

### With Designer

- Powers diagnostics interface
- Supports version comparison
- Enables safe online editing

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## Best Practices Checklist

- Review before build/publish operations
- Monitor ChangedSinceBuild column
- Verify version consistency before deployment
- Use for impact analysis of changes

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**In this section...**

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