

beispiel.dtos

```
package org.ekkescorner.dsl.qtsummit.cascades {

    import org.lunifera.dsl.ext.cpp.qt.datatypes.*;
    import org.lunifera.dsl.ext.cpp.qt.lib.types.annotation.*;

    @TargetOS("Qt")
    @FriendsClass("DataUtil")
    dto SettingsData {
        domainKey int id;
        var int version;
        var QString apiVersion;
        var bool isProductionEnvironment;
        var int primaryColor;
        var int accentColor;
        var bool darkTheme;
        var bool hasPublicCache;
        var bool useCompactJsonFormat;
        var int lastUsedNumber;
        var QString publicRoot4Dev;
    }

    @CachePolicy("-R-")
    @TargetOS("Qt")
    dto Conference {
        domainKey int id;
        var QString conferenceName;
        var QString conferenceCity;
        var QString address;
        // TODO not used yet
        var QString timeZoneName;
        var int timeZoneOffsetSeconds;
        @DateFormatString("yyyy-MM-dd")
        var Date conferenceFrom;
        @DateFormatString("yyyy-MM-dd")
        var Date conferenceTo;
        var QString hashTag;
        var QString homePage;
        // TODO Map Integration GeoCoordinate
        var QString coordinate;
        var int lastBuildingId;
        var int lastFloorId;
        var int lastRoomId;
        var int lastSessionTrackId;
        // implicitly ref lazy
        // sorted: day,start
    }
}
```

beispiel.dtos

```
    var Day [ 0 .. * ] days;
}

@CachePolicy("-R-")
@TargetOS("Qt")
dto Building {
    domainKey int buildingId;
    var QString buildingName;
    var bool inAssets;
    // implicitly ref lazy
    var Floor [ 0 .. * ] floors;
}

@CachePolicy("-R-")
@TargetOS("Qt")
dto Floor {
    domainKey int floorId;
    var QString floorName;
    var bool inAssets;

    ref lazy Building [1] building;
    // implicitly ref lazy
    var Room [ 0 .. * ] rooms;
}

@CachePolicy("-R-")
@TargetOS("Qt")
dto Room {
    domainKey int roomId;
    var QString roomName;
    var bool inAssets;

    ref lazy Floor [1] floor;
    // implicitly ref lazy
    // sorted day,start
    var Session [ 0 .. * ] sessions;
}

@CachePolicy("-R-")
@TargetOS("Qt")
dto Session {
    domainKey int sessionId;
    var bool isDeprecated;
    // sort day start 010900
    var QString sortKey;
```

beispiel.dtos

```
var bool isTraining;
var bool isLightning;
var bool isKeynote;
var bool isSession;
var bool isCommunity;
var QString title;
var QString subtitle;
var QString description;
var QString sessionType;
@DateFormatString("HH:mm")
var Time startTime;
@DateFormatString("HH:mm")
var Time endTime;
var int minutes;
var QString abstractText;

// don't want to cache updated Sessions
// so isFavorite and isBookmarked are updated at Startup
transient bool isFavorite;
transient bool isBookmarked;

// implicitly ref lazy
var Speaker [0 .. *] presenter;
var SessionLink [0 .. *] sessionLinks;
ref lazy Day [ 1 ] sessionDay;
ref lazy Room [ 0 .. 1 ] room;
ref lazy SessionTrack [0..1] sessionTrack;
ref lazy ScheduleItem [0 .. 1] scheduleItem;

ref lazy Favorite [0 .. 1] favorite;
ref lazy Bookmark [0 .. 1] bookmark;
}

@CachePolicy("-R-")
dto ScheduleItem {
    domainKey int sessionId;
    var bool isBreak;
    var bool isLunch;
    var bool isEvent;
    var bool isRegistration;

    ref lazy Session [1] session;
}

dto Favorite {
```

beispiel.dtos

```
    domainKey int sessionId;
    ref lazy Session [1] session;
}

dto Bookmark {
    domainKey int sessionId;
    ref lazy Session [1] session;
}

@CachePolicy("-R-")
@TargetOS("Qt")
dto SessionLink {
    domainKey QString uuid;
    var QString url;
    var QString title;
}

@CachePolicy("-R-")
@TargetOS("Qt")
dto Speaker {
    domainKey int speakerId;
    var bool isDeprecated;
    // 'SCHUL'
    var QString sortKey;
    // 'S'
    var QString sortGroup;
    var QString name;
    var QString bio;

    ref lazy SpeakerImage [0..1] speakerImage;
    // implicitly ref lazy
    // sort day, start
    var Session [0 .. *] sessions;
}

@CachePolicy("-R-")
dto SpeakerImage {
    domainKey int speakerId;
    var QString originImageUrl;
    var bool downloadSuccess;
    var bool downloadFailed;
    var bool inAssets;
    var bool inData;
    var QString suffix;
    // 0 .. 4
```

beispiel.dtos

```
    var int maxScaleFactor;
}

@CachePolicy("-R-")
@TargetOS("Qt")
dto SessionTrack {
    domainKey int trackId;
    var QString name;
    var bool inAssets;
    // implicitly ref lazy
    // sort day start
    var Session [0 .. *] sessions;
}

@CachePolicy("-R-")
@TargetOS("Qt")
dto Day {
    domainKey int id;
    // 0..6
    var int weekDay;
    @DateFormatString("yyyy-MM-dd")
    var Date conferenceDay;
    // implicitly ref lazy
    // sort day start
    var Session [0 .. *] sessions;
}

// A P I   data delivered as payload from server via REST API
@CachePolicy("-R-")
@TargetOS("Qt")
dto SessionAPI {
    @ForeignPropertyName("id")
    domainKey int sessionId;
    var QString title;
    var QString subtitle;
    var QString description;
    @ForeignPropertyName("type")
    var QString sessionType;
    @DateFormatString("HH:mm")
    @ForeignPropertyName("start")
    var Time startTime;
    var QString duration;
    @ForeignPropertyName("abstract")
    var QString abstractText;
    var QString room;
```

beispiel.dtos

```
    var QString track;
    var PersonsAPI [0 .. *] persons;
    @ForeignPropertyName("links")
    var SessionLinkAPI [0 .. *] sessionLinks;
}
@CachePolicy("-R-")
dto PersonsAPI {
    @ForeignPropertyName("id")
    domainKey int speakerId;
}
@CachePolicy("-R-")
dto SessionLinkAPI {
    domainKey QString uuid;
    var QString url;
    var QString title;
}
@CachePolicy("-R-")
dto SpeakerAPI {
    domainKey int id;
    @ForeignPropertyName("first_name")
    var QString firstName;
    @ForeignPropertyName("last_name")
    var QString lastName;
    @ForeignPropertyName("abstract")
    var QString bio;
    var QString avatar;
}
}
```