

How to Sync Parent-Child Tasks in Asana

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This article describes how to synchronize parent-child task relationships (subtasks) between Asana and other systems.

Parent-Child Tasks: Asana supports subtasks linked to parent tasks. The parent task GID is stored in the `parent_task_gid` custom field.

Outgoing sync (Asana → Remote system)

To send parent-child relationship information from Asana:

```
replica.customFields.parent_task_gid = entity.customFields.parent_task_gid
```

Incoming sync (Remote system → Asana)

To receive parent-child relationship and establish hierarchy in Asana:

```
if(replica.parentId){  
    def localParent = syncHelper.getLocalIssueKeyFromRemoteId(replica.parentId.toLong(), "issue")  
    if(localParent){  
        issue.parentId = localParent.id  
    } else {  
        throw new com.exalate.api.exception.IssueTrackerException(  
            "Subtask cannot be created: parent issue with remote id " +  
            replica.parentId + " was not found"  
        )  
    }  
}
```

Important: Parent tasks must be synchronized before child tasks. If a child task syncs before its parent exists, the synchronization will fail with an error.

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