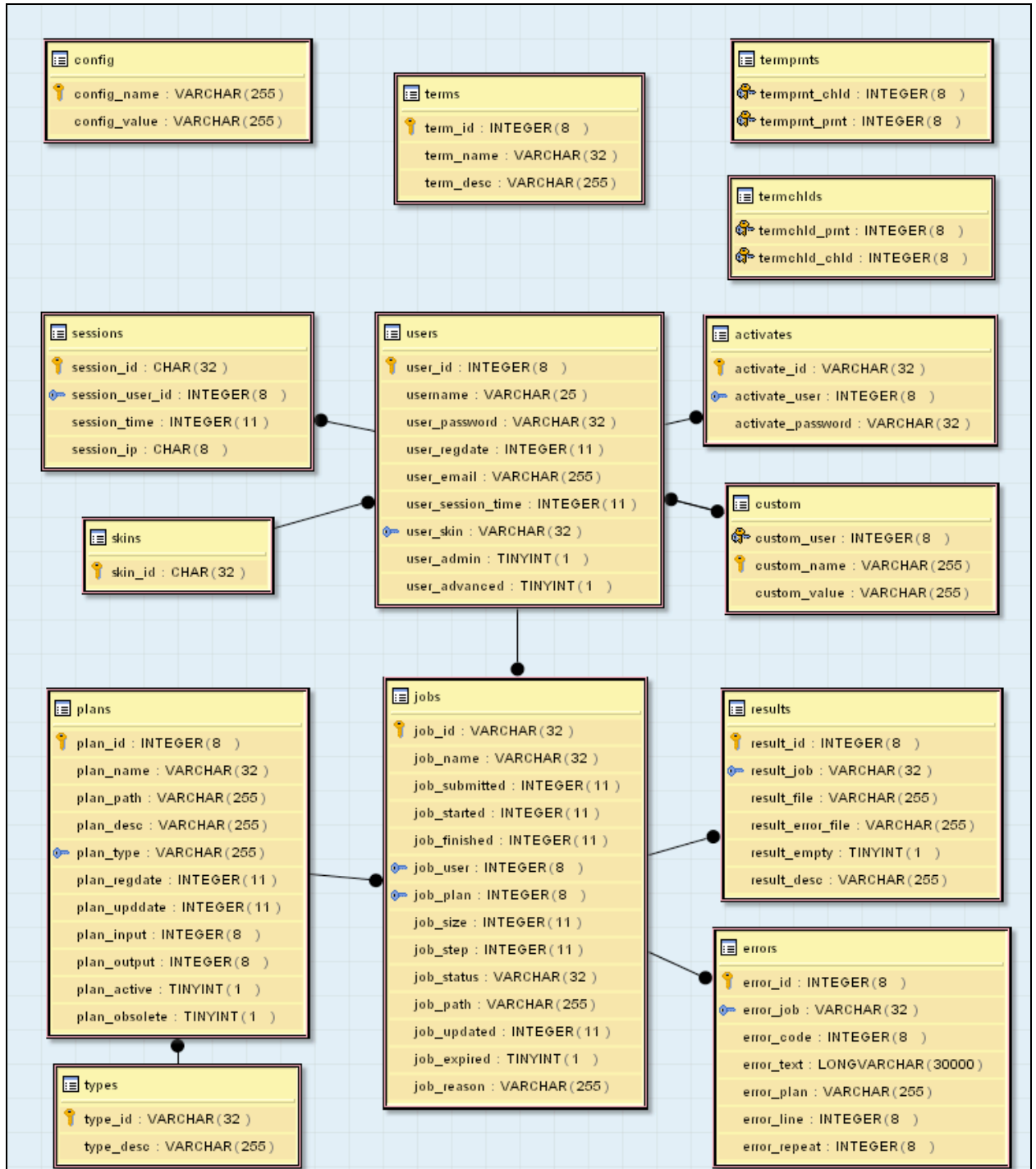


Database schema for ASAP system



Tables' description.

activates

Used to store activation of new password information forced by system in case user forgets the old information. Keeps user ID and new password.

| Name | Type | Size | Default | NULL | Other |
|-------------------|-----------|------|---------|----------|-------|
| activate_id | varchar | 32 | | NOT NULL | PK |
| activate_user | mediumint | 8 | '0' | NOT NULL | FK |
| activate_password | varchar | 32 | " | NOT NULL | |

config

Stores system configuration in pairs name-value.

| Name | Type | Size | Default | NULL | Other |
|--------------|---------|------|---------|----------|-------|
| config_name | varchar | 255 | | NOT NULL | PK |
| config_value | varchar | 255 | | NOT NULL | |

custom

Stores users custom parameters (for future expansion)

| Name | Type | Size | Default | NULL | Other |
|--------------|-----------|------|---------|----------|-------|
| custom_user | mediumint | 8 | | NOT NULL | PK |
| custom_name | varchar | 255 | | NOT NULL | PK |
| custom_value | varchar | 255 | " | NOT NULL | |

errors

Stores info about job errors. Keeps code of the error, message, where it happen, at what line, how many times.

| Name | Type | Size | Default | NULL | Other |
|--------------|-----------|-------|---------|----------|-------|
| error_id | mediumint | 8 | | NOT NULL | PK |
| error_job | varchar | 32 | " | NOT NULL | FK |
| error_code | mediumint | 8 | '0' | NOT NULL | |
| error_text | text | 65536 | " | NOT NULL | |
| error_plan | varchar | 255 | " | NOT NULL | |
| error_line | mediumint | 8 | '0' | NOT NULL | |
| error_repeat | mediumint | 8 | '0' | NOT NULL | |

jobs

Keeps job information: optional name, when the job was submitted, when started by ASAP itself, updated last time, the output path, user that started the job, the plan the job using, the size of the job, the step (progress) of the job (goes from 0 to size), the status (cancelled, finished, started, etc.), if job is cancelled then the reason why and if job is deleted (the results, the errors, etc.)

| Name | Type | Size | Default | NULL | Other |
|---------------|-----------|------|---------|----------|-------|
| job_id | varchar | 32 | | NOT NULL | PK |
| job_name | varchar | 32 | " | NOT NULL | |
| job_submitted | int | 11 | '0' | NOT NULL | |
| Job_started | int | 11 | '0' | NOT NULL | |
| Job_finished | int | 11 | '0' | NOT NULL | |
| Job_updated | int | 11 | '0' | NOT NULL | |
| job_path | varchar | 255 | " | NOT NULL | |
| job_user | mediumint | 8 | | NOT NULL | FK |
| job_plan | mediumint | 8 | | NOT NULL | FK |
| job_size | int | 11 | '0' | NOT NULL | |
| job_step | int | 11 | '0' | NOT NULL | |
| Job_status | varchar | 32 | " | NOT NULL | |
| Job_reason | varchar | 255 | " | NOT NULL | |
| job_expired | tinyint | 1 | '0' | NOT NULL | |

plans

Stores plan information: plan name (alias), plan path that is actually a main plan name, description, types in form of ,type1,,type2,,type3,,...,typeN, (max N is 7), plan registration date (first appearance), updating date, if the plan currently active, if it was deleted (obsolete). Input and output format will be used in future.

| Name | Type | Size | Default | NULL | Other |
|---------------|-----------|------|---------|----------|-------|
| plan_id | mediumint | 8 | | NOT NULL | PK |
| plan_name | varchar | 32 | " | NOT NULL | |
| plan_path | varchar | 255 | " | NOT NULL | |
| plan_desc | varchar | 255 | " | NOT NULL | |
| plan_type | varchar | 255 | " | NOT NULL | |
| Plan_regdate | int | 11 | '0' | NOT NULL | |
| Plan_upddate | int | 11 | '0' | NOT NULL | |
| Plan_active | tinyint | 1 | '1' | NOT NULL | |
| Plan_obsolete | tinyint | 1 | '0' | NOT NULL | |
| plan_input | mediumint | 8 | '0' | NOT NULL | |
| Plan_output | mediumint | 8 | '0' | NOT NULL | |

results

Stores information about job results: address of file in file system, address of file with errors, if the files are empty (or no files) and description of the results.

| Name | Type | Size | Default | NULL | Other |
|-------------------|-----------|------|---------|----------|-------|
| result_id | mediumint | 8 | | NOT NULL | PK |
| result_job | varchar | 32 | " | NOT NULL | FK |
| result_file | varchar | 255 | " | NOT NULL | |
| Result_error_file | varchar | 255 | " | NOT NULL | |
| result_empty | tinyint | 1 | '0' | NOT NULL | |
| result_desc | varchar | 255 | " | NOT NULL | |

sessions

Stores information about http session started every new user connection to the system: keeps session start time and ip of the user that started it.

| Name | Type | Size | Default | NULL | Other |
|-----------------|-----------|------|---------|----------|-------|
| session_id | vchar | 32 | " | NOT NULL | PK |
| session_user_id | mediumint | 8 | '0' | NOT NULL | FK |
| session_time | int | 11 | '0' | NOT NULL | |
| session_ip | vchar | 8 | '0' | NOT NULL | |

skins

Skin details. For future use.

| Name | Type | Size | Default | NULL | Other |
|---------|-------|------|---------|----------|-------|
| skin_id | vchar | 32 | " | NOT NULL | PK |

terms

Stores information about vocabulary terms – id-name-description.

| Name | Type | Size | Default | NULL | Other |
|-----------|---------|------|---------|----------|-------|
| term_id | integer | 8 | | NOT NULL | PK |
| term_name | vchar | 32 | | NOT NULL | |
| term_desc | vchar | 255 | " | NOT NULL | |

termchlds

Stores information about each term's (from **terms**) ancestors in hierarchy tree (all ancestors including root).

| Name | Type | Size | Default | NULL | Other |
|---------------|---------|------|---------|----------|-------|
| termchld_prnt | integer | 8 | | NOT NULL | PK |
| termchld_chld | integer | 8 | | NOT NULL | |

termprnts

Stores information about each term's (from **terms**) descendants in hierarchy tree (just direct descendants).

| Name | Type | Size | Default | NULL | Other |
|-----------|-------|------|---------|----------|-------|
| Term | vchar | 32 | | NOT NULL | PK |
| type_desc | vchar | 255 | " | NOT NULL | |

types

Stores types information – name-description.

| Name | Type | Size | Default | NULL | Other |
|-----------|-------|------|---------|----------|-------|
| type_id | vchar | 32 | | NOT NULL | PK |
| type_desc | vchar | 255 | " | NOT NULL | |

users

Stores user's information. Username, password in md5 hex form, registration date, personal email for contact, last session of the user, skin (interface type) for the system, user permissions.

| Name | Type | Size | Default | NULL | Other |
|-------------------|-----------|------|---------|----------|-------|
| user_id | mediumint | 8 | | NOT NULL | PK |
| username | varchar | 25 | | NOT NULL | |
| user_password | varchar | 32 | | NOT NULL | |
| user_regdate | int | 11 | '0' | NOT NULL | |
| user_email | varchar | 255 | | NOT NULL | |
| user_session_time | int | 11 | '0' | NOT NULL | INDEX |
| user_skin | varchar | 32 | | NOT NULL | FK |
| user_admin | tinyint | 1 | '0' | NOT NULL | |
| user_advanced | tinyint | 1 | '0' | NOT NULL | |