

The file format is a simple subset of YAML.
Everything after '#' is ignored (i.e. single line comment)

systemTime: "2014-04-01 09:00"

dailyAvailability :
- startTime : "12:00"
 endTime : "17:00"

resourceTypes:
- name : "car"
 # Inner lists are between "[" and "]". Their items are separated by ",".
 requires : []
 conflictsWith : []
 dailyAvailability :
- name : "white board"
 requires : []
 conflictsWith : []
 dailyAvailability :
- name : "demo kit"
 requires : []
 conflictsWith : [1]
 dailyAvailability :
- name : "conference room"
 requires : [2]
 conflictsWith : [3]
 dailyAvailability :
- name : "distributed testing setup"
 requires : []
 conflictsWith : []
 dailyAvailability :
- name : "data center"
 requires : []
 conflictsWith : []
 dailyAvailability : 0

resources:
- name: "Car 1"
 type: 0
 planning: 0
- name: "Car 2"
 type: 0
 planning: 0
- name: "Car 3"
 type: 0
 planning:
- name: "White Board 1"
 type: 1
 planning:
- name: "White Board 2"
 type: 1
 planning:
- name: "Demo Kit 1"
 type: 2
 planning:
- name: "Demo Kit 2"
 type: 2
 planning: 0
- name: "The Big Conference Room"
 type: 3
 planning:
- name: "The Small Conference Room"
 type: 3
 planning:
- name: "The Distributed Test Facility"
 type: 4
 planning:
- name: "Data Center X"
 type: 5
 planning:
- name: "Data Center Y"
 type: 5
 planning: 2

developers:
- name : "John Deere"
 planning : [0]
- name : "Tom Hawk"
 planning : [0,1]

- name : "Bob Grylls"
planning : [2]

projects:

- name : "project x"
description : "a project description"
creationTime : "2014-01-01 09:00" # YYYY-MM-DD HH:MM
dueTime : "2014-02-01 18:00"

- name : "project y"
description : "another project description"
creationTime : "2014-01-01 09:00"
dueTime : "2016-01-01 18:00"

- name : "project z"
description : "yet another project description"
creationTime : "2015-04-25 09:00"
dueTime : "2015-04-30 18:00"

plannings:

- plannedStartTime : "2014-01-01 09:00"
developers : [0, 1]
~~resources : [{type: 0, quantity: 2}, {type: 2, quantity: 1}]~~ resources : [0, 1, 6]
task : 0

- plannedStartTime : "2014-01-02 17:00"
developers : [1]
~~resources : []~~ resources : []
task : 3

- plannedStartTime : "2014-03-01 09:00"
developers : [2]
~~resources : [{type: 5, quantity: 1}]~~ resources : [11]
task : 4

tasks:

- project : 0
description : "task description"
estimatedDuration : 500
acceptableDeviation: 50
alternativeFor :
resourceTypes : [{type: 0, quantity: 2}, {type: 2, quantity: 1}]
prerequisiteTasks :
planning : 0
status : finished
startTime : "2014-01-01 10:00"
endTime : "2014-01-02 17:00"

- project : 1
description : "another task description"
estimatedDuration : 50000
acceptableDeviation: 50
alternativeFor :
resourceTypes : []
prerequisiteTasks :
planning :
status :

- project : 1
description : "yet another task description"
estimatedDuration : 10000
acceptableDeviation: 10
alternativeFor :
resourceTypes : []
prerequisiteTasks :
planning :
status :

- project : 1
description : "description"
estimatedDuration : 5000
acceptableDeviation: 0
alternativeFor :
resourceTypes : []
prerequisiteTasks : [1, 2]
planning : 1
status : failed
startTime : "2014-01-02 09:00"
endTime : "2014-03-25 18:00"

- project : 1
description : "description"
estimatedDuration : 50000
acceptableDeviation: 0
alternativeFor : 3
resourcesTypes : [{type: 5, quantity: 1}]
prerequisiteTasks : [1, 2]
planning : 2
status : executing

- project : 2
description : "description"
estimatedDuration : 500
acceptableDeviation: 50
alternativeFor :
resourceTypes : []
prerequisiteTasks :
planning :
status :

- project : 2
description : "description"
estimatedDuration : 500
acceptableDeviation: 50
resourceTypes : []
alternativeFor :
prerequisiteTasks :
planning :
status :

reservations:

—resource:—0
—task:—0
—startTime: "2014-01-01 10:00"
—endTime: "2014-01-02 17:00"
—resource:—1
—task:—0
—startTime: "2014-01-01 10:00"
—endTime: "2014-01-02 17:00"
—resource:—6
—task:—0
—startTime: "2014-01-01 10:00"
—endTime: "2014-01-02 17:00"
—resource:—11
—task:—4
—startTime: "2014-03-01 09:00"
—endTime: "2014-05-01 09:00"