



Preface:

iBrowse (in its current configuration) enables a single level of record approval (based on the Supervisor Digital Signature-SDS). We have encountered too many cases when there is more than one supervisor that is required to approve the record.

Further more, many organizations require a certain "flow" of approvals hence firstly it needs to be approved by Supervisor A. Once Supervisor A approves the record – it needs to be approved by Supervisor B. Only when Supervisor A and Supervisor B have signed the day – it should be paid out. This functionality that combines multiple levels of approval ("workflow") and supervisor layers is introduced as Multiple Supervisor Based Security.

Environment:

iBrowse-SQL (Version 6.00 or later)
TK-SQL only

Required program files:

DADMINSSQL.dll Dated 28/12/2007 (or later)
iBrowse TreeView Images (iBrowse install\TreeView)

TK-SQL: A full CompareDB based on SQLDATASET dated 17/01/2007 (or later).

iBrowse: Upgrade your iBrowse system to iBrowse Version 6.00 (or later).



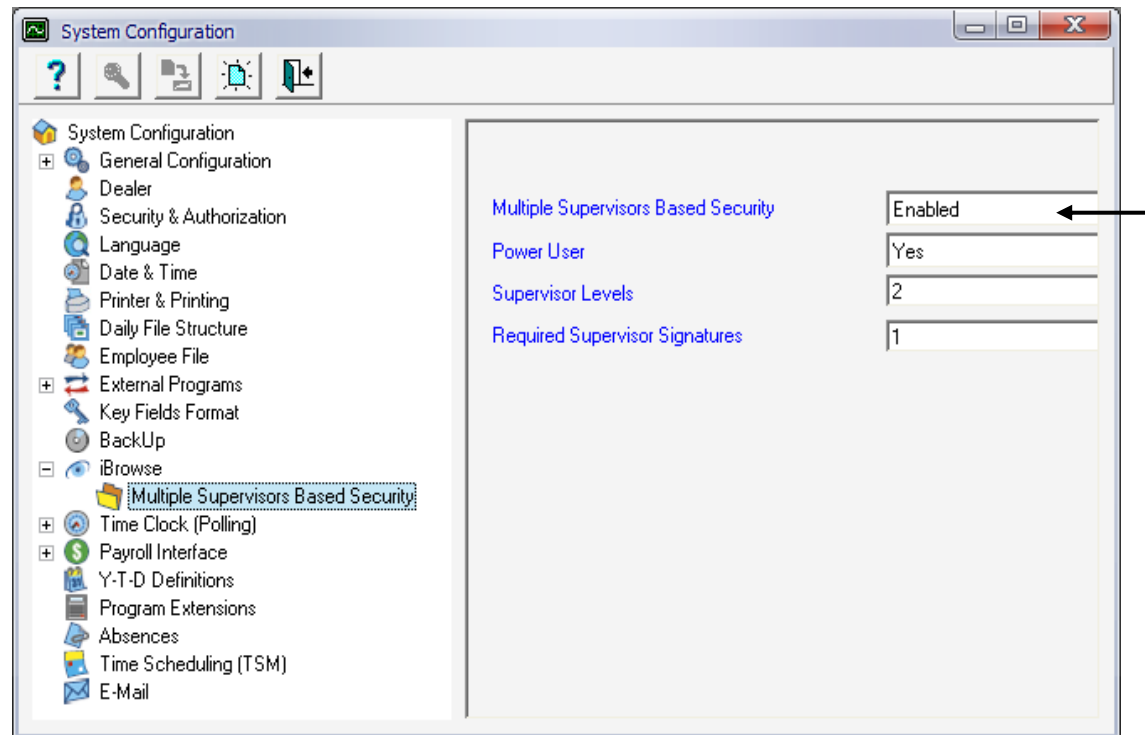
Note that copying the tree view component to the Inetpub directory on the IIS server is an essential step.



Setup steps:

The implementation of **iBrowse–Multiple Supervisors Based Security** requires the following steps:

(1) Enable Multiple Supervisors Based Security in System configuration



Multiple Supervisors Based Security – Enabled/Disabled

Power User: When this option is enabled, Power user authorization is needed before data is transferred to TimeKeeper. Power user's security rights are driven from the definitions stored on the users table (i.e. not from MSBS security engine/Tree View).

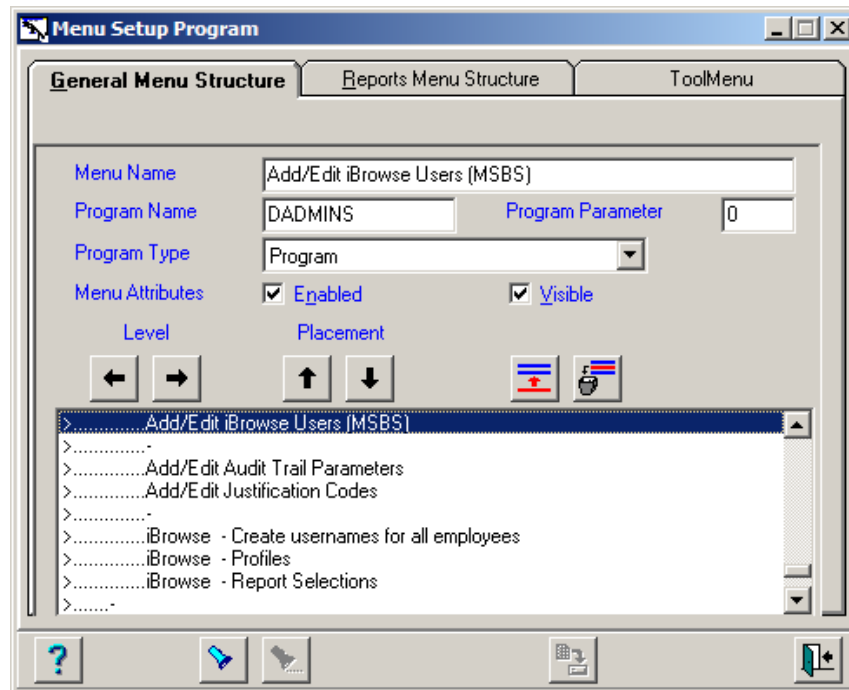
Supervisor Levels: Number of supervisors' levels (based on the organizational tree).

Supervisor Signatures: Number of approval levels required before the data is transferred to TimeKeeper.



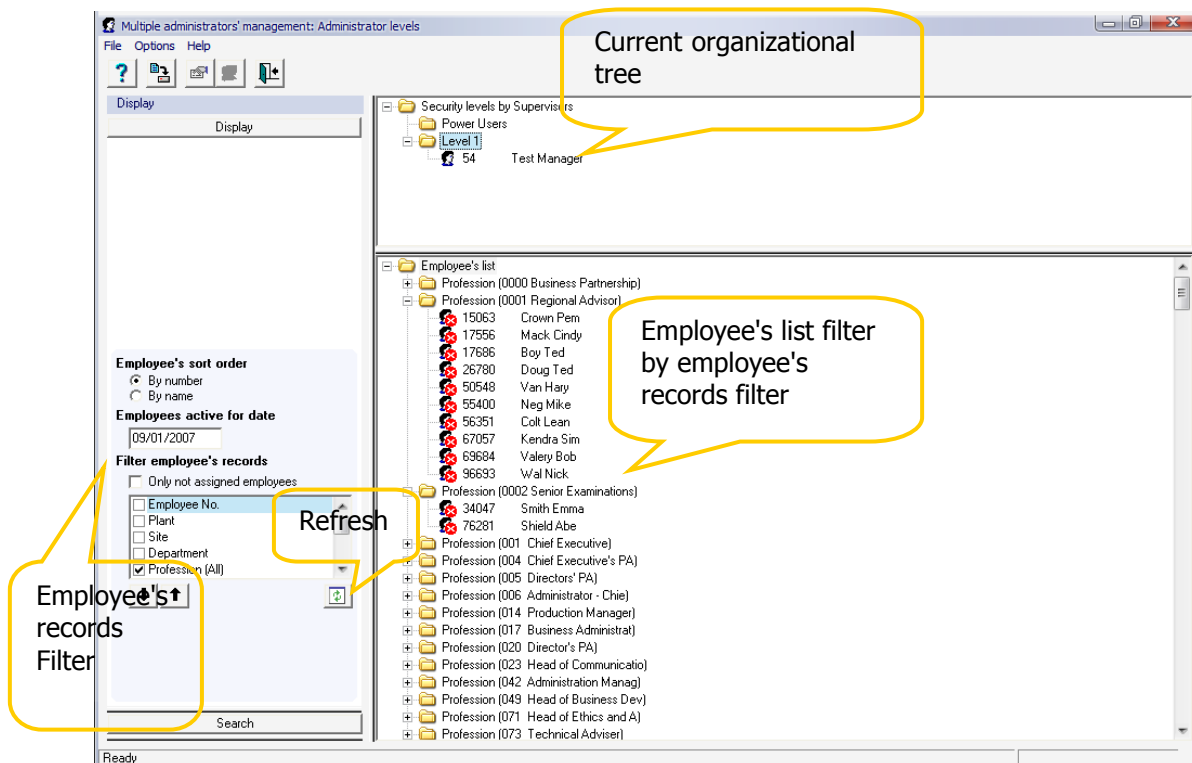
(2) Add iBrowse supervisors to the menu (DADMINs)

Add "Dadmins" program to the menu as iBrowse Users



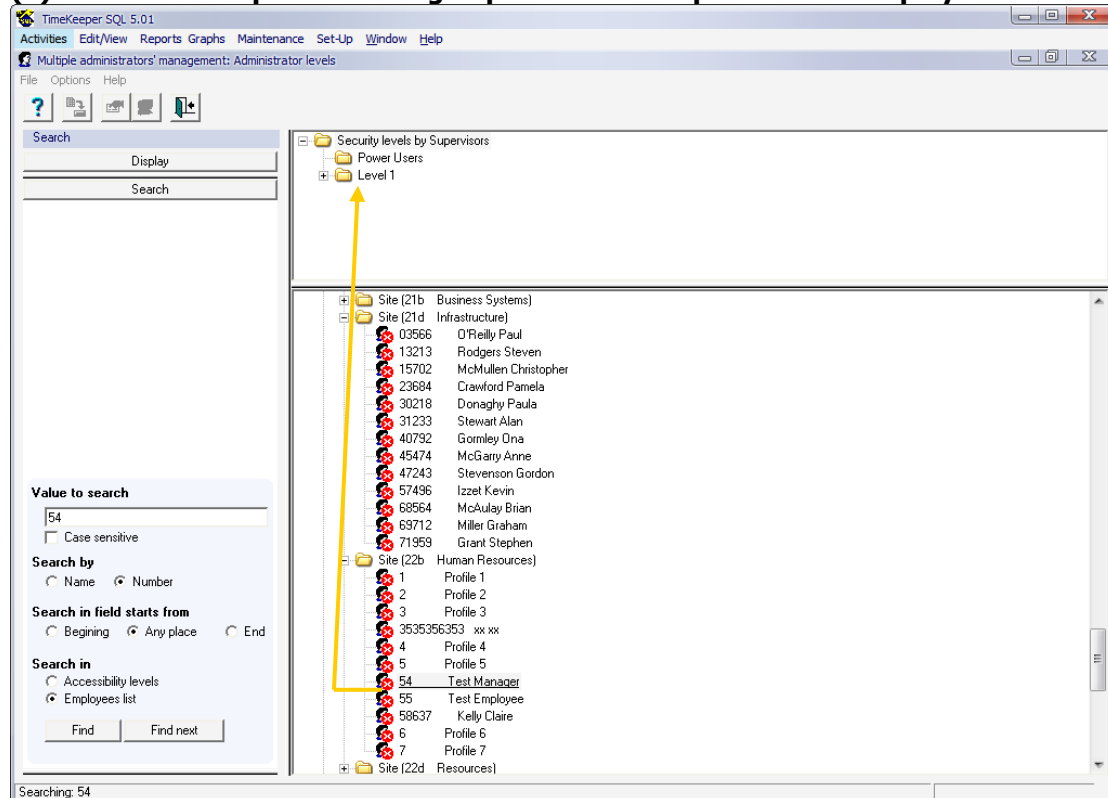
(3) Defining iBrowse supervisors (DADMINs)

This screen allows the user visually design the company organizational tree (i.e. specifically the users and the supervisors) using drag-and-drop technology:



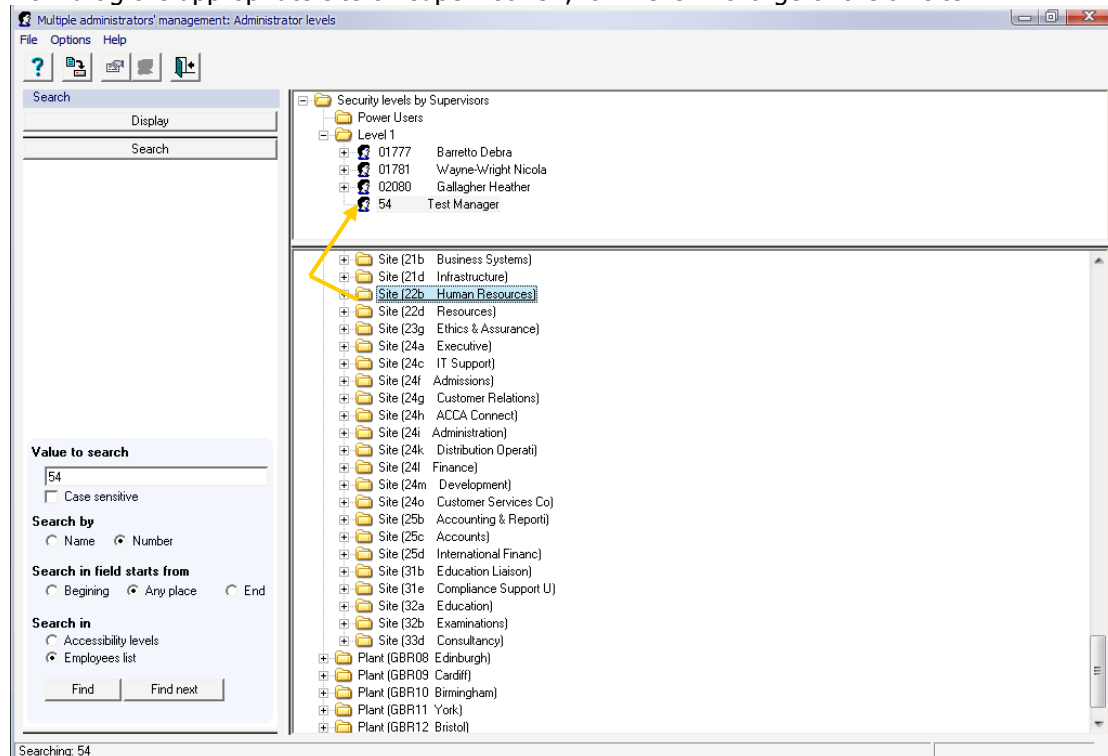


(4) Detailed Example of creating Supervisor 54 Responsible for Employees B-D



Is done using the following procedure: drag employee 54 into the appropriate Level. it will make him a supervisor.

Now drag the appropriate site on supervisor 54, now he is in charge of the all site.



Assigning an Employee as a Supervisor: is done by dragging the employee from the Employee's list section to Level 1 in "Security levels by Supervisors" section.



The 'Security properties' dialog box shows the following fields:

- Employee:** Employee No.: 15063, Crown Pem
- Relation type:** Direct (dropdown menu)
- Security level:** By profile (dropdown menu)
- Validity from date:** 09/01/2007 (calendar icon)
- Validity till date:** 31/12/2099 (calendar icon)
- Future absence planning:**
 - Allow deviation from minimal coverage: No (dropdown menu)
 - Allow negative balance planning: No (dropdown menu)
- User name:** (dropdown menu)
- Buttons:** Ok, Cancel

Assigning employees to a Supervisor: is done by dragging the employee from the Employee's list section to the appropriate supervisor in "Security levels by Supervisors" section.



Additional Settings:

Relation type:

Direct: There is a direct link between the supervisor level and the level below meaning the supervisor can see all the employees on the level below.

Indirect: There is an indirect link between the supervisor level and the level below meaning the supervisor can't see the supervisor on the level below him but can see the employees below.

Security Level: Defines the relation between the supervisor and the subordinate employees.

By Profile: According to the definitions stored on the iBrowse profile.

Read Only: The subordinate employees' info is read only.

Direct Read/Write other Read Only: The subordinate employees' info is read/write while the level below is read only.

Validity From Date: Relation starting date.



Validity Till Date: Relation ending date.

Future Absence Planning:

Allow deviation from minimal coverage: Is the user allowed to authorize absences when the coverage is lower than the minimum? (Yes/No selection)

Allow negative balance planning: Is the user allowed to authorize absences when the employee's balance is negative? (Yes/No selection)



Parameters:

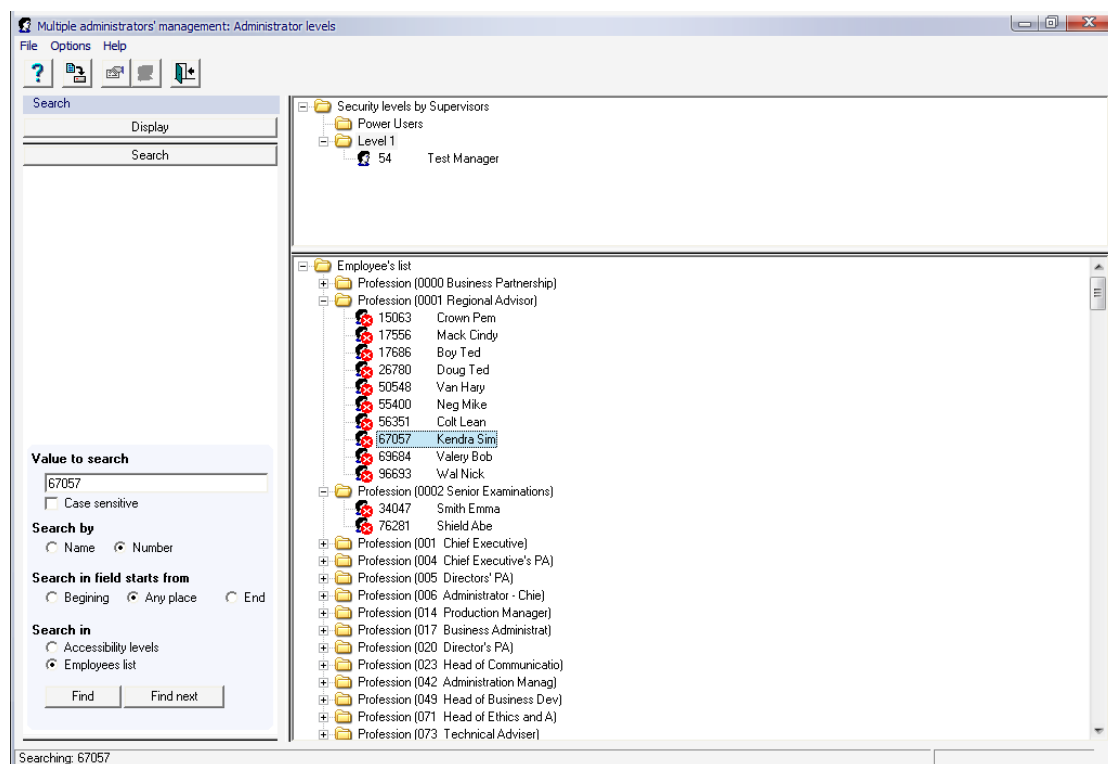
Employee's sort order: Allows changing the sort order of the employees on the Employee's list section of the screen

Employees active for date: Filter only active employees by a given date.

Filter Employee's records: Filters Employee's records based on certain criteria and an option to choose only unassigned employees.

Search: Search is available in a few methods:

- By employee name or employee number.
- Beginning/End/in the tree
- Case sensitive/insensitive
- Destination of the search: employee list /levels.













User Name: Selecting a user name is not mandatory but if a user name is chosen then all security options related to this user in TimeKeeper will apply.
For example if the user assigned has access only to a certain department then on the TSM browser the supervisor will have the option to change to this department.

Tree Legend:

Supervisors' tree

-  Power User or Direct relation valid for current date
-  Power User or Direct relation NOT VALID for current date
-  Power User or INDIRECT relation valid for current date
-  Power User or INDIRECT relation NOT valid for current date

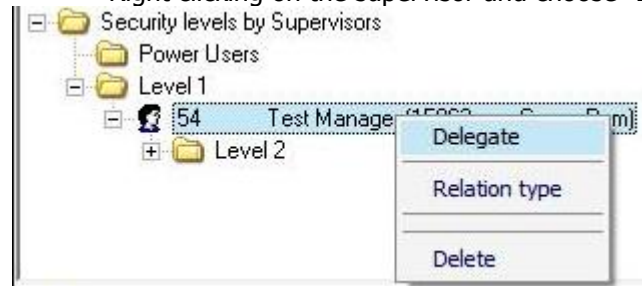
Employees' tree

-  Employee with DIRECT supervisor for current date
-  Employee related to Power Users
-  Employee related to supervisor's top level
-  Employee not related to any supervisors for current date



Delegating:

The system allows assigning a substitute supervisor for a predefined period of time. This substitute supervisor has all the privileges of the substituted supervisor. Right clicking on the supervisor and choose "Delegate"



Delegation sub screen: Allows you choosing the substitute supervisor and date ranges.

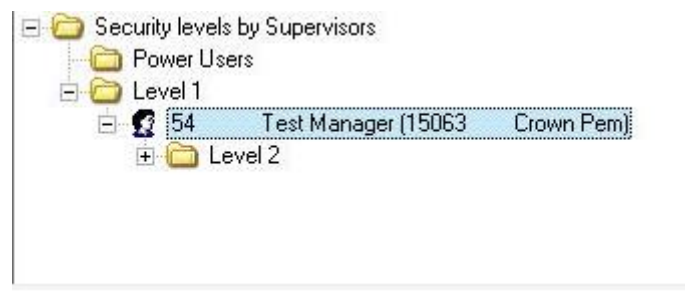
Delegate

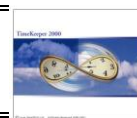
Supervisor 54 Test Manager

	Number	Last name	First name	From date	Till date
	15063	Crown	Pem	11/01/2007	11/01/2099

Add Delete Ok Cancel

After setting the delegation we can see that employee 15063 Crown Pem is a substitute supervisor.





iBrowse implementation of the tree view

a. Timecard

On the left pane of the screen the supervisor and his employees are shown sorted by employee number.

The screenshot shows the iBrowse Timecard interface. On the left, a tree view lists employees: 02080 Gallagher Heather, 00068 Harpor Christin, 00915 Carlisle Tony (selected), 01729 Sidhu Mandeep, and 02080 Gallagher Heather. Below the tree is a 'Filter' section with 'Display employees' set to 'Level 1' and a 'Search' section with 'Search By' set to 'Employee Name'. The main area displays the timecard for 'Employee : 00915 Carlisle Tony' from 'From Date : 03/02/2005' to 'Till Date : 09/03/2007'. The timecard grid has columns for Date, Day, Note, Absence, and In/Out times (In/Out1, In/Out2, In/Out3, In/Out4). The grid shows 'Unauthorized Absence' for most days, with a specific time entry of 10:44 on 08/06/2006. At the bottom, there are 'Send Updates' and 'Summary' buttons.

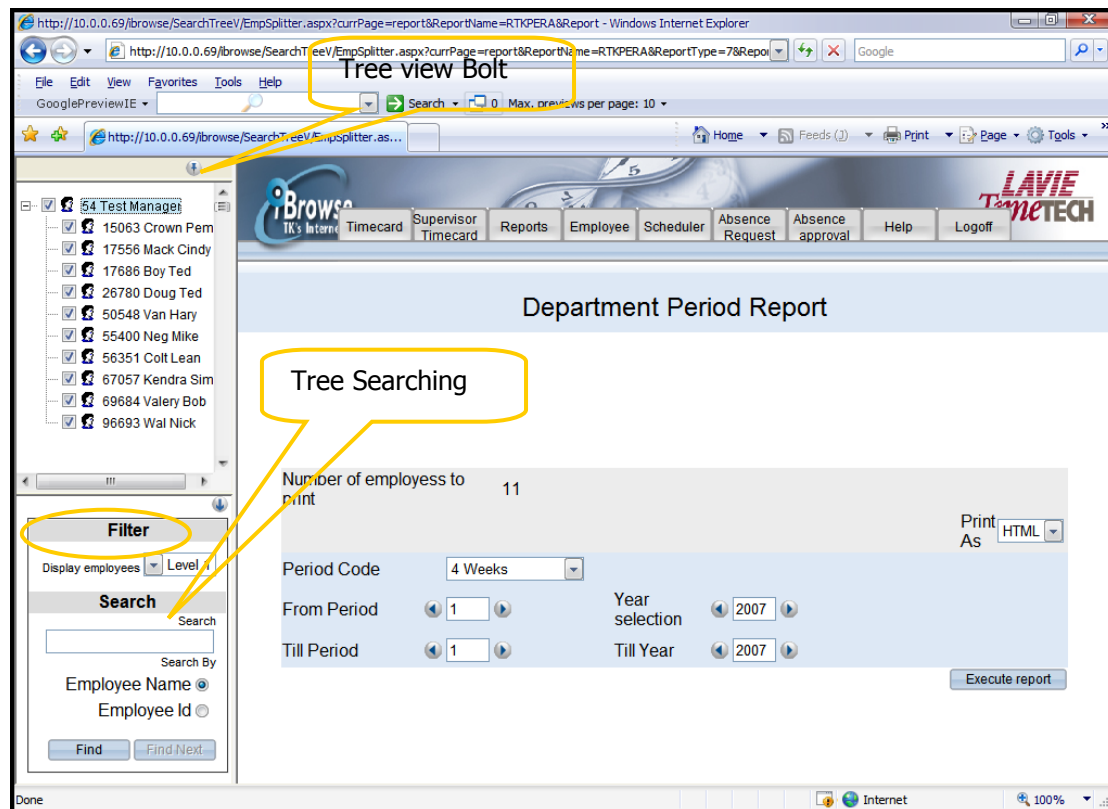
Date	Day	Note	Absence	In/Out1	In/Out2	In/Out3	In/Out4
26/05/2006	Fr		Unauthorized Absence				
29/05/2006	BM		Unauthorized Absence				
30/05/2006	Tu		Unauthorized Absence				
31/05/2006	We		Unauthorized Absence				
01/06/2006	Th		Unauthorized Absence				
02/06/2006	EP		Unauthorized Absence				
05/06/2006	Mo		Unauthorized Absence				
06/06/2006	Tu		Unauthorized Absence				
07/06/2006	We		Unauthorized Absence				
08/06/2006	Th			10:44			
09/06/2006	Fr		Unauthorized Absence				

Note: The above also applies on Supervisor's Timecard

b. iBrowse Reports:

On the left pane of the screen the supervisor and his employees are shown sorted by employee number.

Check box next to the employee allows multiple selecting of employees to print. Similar functionality is available also on the Timecard and the supervisor Timecard.



c. Filtering

Filtering allows the user to set criteria to the Tree levels he would like to see, i.e. if the tree has 3 levels and the Filter is set to the Level1 only Level1 employees will be displayed will choosing level3 on the filter field will display all the tree content.



c. TSM Display

On the scheduler screen, only members of the supervisor group will appear.

The screenshot shows the iBrowse scheduler interface in a Windows Internet Explorer browser window. The address bar shows the URL: http://10.0.0.69/ibrowse/schedules/schedule.aspx. The browser's menu bar includes File, Edit, View, Favorites, Tools, and Help. The status bar at the bottom indicates 'Done' and 'Internet'.

The iBrowse interface has a header with the logo 'iBrowse TK's Internet Gateway' and a navigation menu with buttons: Timecard, Supervisor Timecard, Reports, Employee, Scheduler (highlighted), Absence Request, Absence approval, Help, and Logoff. The 'LAVIE TimeTECH' logo is also present.

The main content area displays a table of employee schedules for Group No. 1 - A. The table has columns for Employee, Base, Phone No. 1, and dates from 13/01 Sa to 18/01 Th. The data is as follows:

Employee	Base	Phone No. 1	13/01 Sa	14/01 Su	15/01 Mo	16/01 Tu	17/01 We	18/01 Th
15063 Crown Pem	1		:	:	:	:	:	:
17598 Mack Cindy	1	4193	:	:	:	:	:	:
17698 Boy Ted	1		:	:	:	:	:	:
26780 Doug Ted	1	5564	:	:	:	:	:	:
50548 Van Hary	1	5758	:	:	:	:	:	:
54 Test Manager	1		:	:	:	:	:	:
55400 Neg Mike	1	5784	:	:	:	:	:	:
56351 Colt Lean	1	4082	:	:	:	:	:	:
67057 Kendra Sim	1	5815	:	:	:	:	:	:
69684 Valery Bob	1		:	:	:	:	:	:
90693 Wal Nick	1		:	:	:	:	:	:

Below the table, there is a search bar and three buttons: Update Records, Copy Group, and Copy Employee.