

Performing a daily backup of the IBExpert User Database

The following example demonstrates the usage of `ibec_reg_xxx` functions to perform a daily backup of the [IBExpert User Database](#):

```
execute ibeblock
as
begin
    CurrentDate = ibec_Date();

    reg = ibec_reg_Open(__HKEY_CURRENT_USER, 0);
    try
        if (ibec_reg_OpenKey(reg, 'Software\HK
Software\IBExpert\CurrentData', FALSE)) then
            begin
                try
                    UDBLastBackupDate = ibec_reg_ReadDate(reg, 'UDBLastBackupDate');
                    if (UDBLastBackupDate = CurrentDate) then
                        Exit;
                    except
                    end;
                    UDBConnectionString = ibec_reg_ReadString(reg, 'UDBConnectionString');
                    UDBClientLib = ibec_reg_ReadString(reg, 'UDBClientLib');
                    UDBUserName = ibec_reg_ReadString(reg, 'UDBUserName');
                    UDBPassword = ibec_reg_ReadString(reg, 'UDBPassword');
                end
            finally
                ibec_reg_Close(reg);
            end;

        if ((UDBConnectionString is null) or (UDBConnectionString = '')) then
            Exit;

        ibec_Progress('Starting backup of IBExpert User Database...');
        BackupDir = 'D:\Backups\IBExpert User Database\';
        ibec_ForceDirectories(BackupDir);

        ibec_DecodeDate(CurrentDate, iYear, iMonth, iDay);
        BackupFileName = BackupDir || iDay || '-' || iMonth || '-' || iYear ||
        '.fbk';

        res = ibec_BackupDatabase(UDBConnectionString, BackupFileName,
                                'ClientLib=' || UDBClientLib || '; Password='
||
                                UDBPassword || '; User=' || UDBUserName,
                                null);
```

```
if (ibec_FileExists(BackupFileName)) then
begin
    ibec_Progress('Compressing ' || BackupFileName || '...');
    res = ibec_Exec('"C:\Program Files\WinRAR\rar.exe" a "' ||
BackupFileName || '.rar" "' ||
                    BackupFileName || '" -m5 -r11', '', null);
    if (res = 0) then
        ibec_DeleteFile(BackupFileName);
end

if (res = 0) then
begin
    reg = ibec_reg_Open(__HKEY_CURRENT_USER, 0);
    try
        if (ibec_reg_OpenKey(reg, 'Software\HK
Software\IBExpert\CurrentData', FALSE)) then
            ibec_reg_WriteDate(reg, 'UDBLastBackupDate', CurrentDate);
        finally
            ibec_reg_Close(reg);
        end;
    end
end
end
```

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