ELFPack v1.999 © Hussein
SWI_Hook © Rst7/CBSIE
ElfLoader ©2007 by Rst7/CBSIE, BoBa, Kren

(For DB2000/DB2010/12/DB2020/DB3150/DB3200/DB3210)

Elf (Executable & Linkable Format) files are small executables that directly run using the phones resources, ram and ARM processor. Basically elf files can be compared to Windows exe files; In other words Elfs are applications for your arm processor, but there can be downsides in running them...

- Depending on the elf, battery consumption may be increased, due to the extra work the processor is doing and also the way the elf is coded. The more elves are running, the more battery power is used. Badly coded elves can consume battery life quickly.

- The speed of the phone may also be reduced depending on the number of elves running and the phone being used. Newer A2 phones have more heap/ram and suffer less from speed reduction.
- Crashes/reboots. Elves can be buggy and are continually in development so naturally bugs are common. It could be that the library is incomplete/incorrect functions or that the elf has errors in the code, so keep an eye on new versions and library updates. Its also worth noting that some older elves won't work on A2 phones and some only work on A2, so it isn't guaranteed that any elf will work perfectly on every model.

  As long as you keep your elf library, dll & dyn_const updated and keep your heap (phone ram) relatively high, your phone shouldn't have any problems unless elf is buggy, but in my experience reboots can occur for no apparent reason. Remember, never intended your cell phone to be modded, let alone run elf files!

Installation...

For W700/W800/K750/K770 create these folders...

- tpa/user/other/Zbin
- tpa/user/other/config
- tpa/user/other/DLL
- tpa/user/other/ini
- card/MSSEMC/Media files/other/Zbin
- card/MSSEMC/Media files/other/daemons
- card/MSSEMC/Media files/other/config

For all other models, create using the phone's file manager...

- phone/other/Zbin
- phone/other/Zbin/config
- phone/other/Zbin/DLL
- phone/other/ini
- card/other/Zbin
- card/other/Zbin/daemons

- card/other/Zbin/config

Once you have done that, download the dyn_const.bin, libraryDLL.dll and elfloader patch corresponding to your phone and firmware version from here...

`http://justdanpo.cheb.ru/index.php?link=L3N1cHBvcnQvZWxmcGFjaw==`
NB: ALL A1 users should use the dll_Generic from there.

If your dyn is not found there for your particular model/firmware then try to use a dyn from the same platform/firmware.

Now download the library patch corresponding to your phone/firmware from here.

Put the dyn in the "config" folder on phone memory and put the LibraryDLL in the "DLL" folder. Any elf that has an accompanying dll file, put in the dll folder.

Now write the library and loader vkps to your main firmware (There are tutorials to explain this so go read) DB32xx users MUST also patch the file "*_emp_app.vkp" to "phone_emp_app.cxc" and DB3210 R1HA035 users its advisable to apply this patch also...

```
;Fix int2strID, Str2ID
;(!) Is necessary for some patches and elves (BookManager, etc.)
;(c) IronMaster
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(IMPORTANT FOR A2 USERS: YOU MUST USE FARMANAGER AND den po's CXCPATCHER PLUGIN TO WRITE PATCHES! If you insist on using A2uploader then phone app.cxc MUST be extended beyond the last offset of the patches)

Once the main is patched with library and loader, put *.elf files to zbin folder (although they can be run from anywhere), put any *.ini file you get with elves to "ini" folder and put any elf that you want to start automatically into "daemons" folder on card. DB3150v1 (R1 firmwares) users should note that in order to start elf from daemons you should also use a startup screen, otherwise the elves won't autostart.

Library updating...

Once you have flashed the library vkp to the main, leave it and forget about it. Any update to the library you can put in the config folder on phone and the elfpack will use that. It can be named anything but must have vkp extension. Basically the patched library is cached on startup and then it updates the cache from the library vkp from config folder. **YOU MUST HAVE PATCHED A LIBRARY WITH ENOUGH FUNCTIONS TO RUN THE LOADER BEFORE YOU CAN USE THE LIBRARY FROM CONFIG FOLDER!**

Minimum functions needed to run loader in patched library...
Spoiler

Links...

Get your libs from here:
http://perk11.info/svn/SE/Library/

Get your loaders, dyns and LibraryDLLs from here:
`http://justdanpo.cheb.ru/index.php?link=L3N1cHBvcnQvZWxmcGFjaw==`
Auto compiled elves: http://perk11.info/elfse

Some elves...
http://mobilefree.ru...um.php?forum=22

Translated page from Mobilefree wiki detailing what Dll, dynconst etc does:
http://translate.goo...elfpack&act=url

Happy elfing! 


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