

# OS/2 DLL entry points

This OS/2 DLL's entry point description is inspired by <http://home.clara.net/orac/os2dll.htm>, <http://www.edm2.com/index.php/Category:Files>

## Control Program API

These DLL's contain core OS/2 API, exported by kernel (called CP API or Control Program API), and others are mostly "forwarders" to doscalls. We must note here, that in Intel OS/2 doscalls is a virtual DLL. It does not exist on disk. But here exist DOSCALL1.DLL, which is a collections of call gates into the kernel, or implementations of some API's fully in ring3, based on the real kernel API. DOSCALLS is a virtual DLL, which is a pure kernel API merged with doscall1.dll. The kernel will load also the DLL called DOSCALL2.DLL, which is "user defined API's". This was intended for OEM API extensions.

| Name                     | Description                    | Status |
|--------------------------|--------------------------------|--------|
| <a href="#">doscalls</a> | Most CP API                    |        |
| <a href="#">ansicall</a> | ANSI terminal support          | Done   |
| <a href="#">nls</a>      | NLS support                    | Done   |
| <a href="#">msg</a>      | Message file API               | Done   |
| <a href="#">moncalls</a> | Monitor API                    | Done   |
| <a href="#">kbdcalls</a> | Keyboard API                   |        |
| <a href="#">moucalls</a> | Mouse API                      |        |
| <a href="#">viocalls</a> | VIO API                        |        |
| <a href="#">sesmgr</a>   | Session manager                |        |
| <a href="#">bkscalls</a> | Base Keyboard Subsystem        | Done   |
| <a href="#">bmscalls</a> | Base Mouse subsystem           | Done   |
| <a href="#">bvscalls</a> | Base Video Subsystem           | Done   |
| <a href="#">nampipes</a> | Named Pipes API                | Done   |
| <a href="#">quecalls</a> | Queues API                     |        |
| <a href="#">os2char</a>  | OS/2 character console context | Done   |

## Unicode API

| Name                   | Description | Status |
|------------------------|-------------|--------|
| <a href="#">uconv</a>  |             |        |
| <a href="#">unikbd</a> |             |        |
| <a href="#">libuni</a> |             |        |

## BIDirectional support

| Name                      | Description                                             | Status |
|---------------------------|---------------------------------------------------------|--------|
| <a href="#">bdcalls</a>   | 16-bit API                                              |        |
| <a href="#">bdcalls32</a> | 32-bit API                                              |        |
| <a href="#">bdime</a>     | Bidirectional Input Method Editor                       |        |
| <a href="#">bdbvh</a>     | BVH for BIDI                                            |        |
| <a href="#">bdview</a>    | BDview (Language Viewer)<br>WPS class (in System Setup) |        |

| Name                    | Description     | Status |
|-------------------------|-----------------|--------|
| <a href="#">bdwpcls</a> | some WPS class? |        |

## Base Video Handlers

| Name                    | Description                                                                  | Status |
|-------------------------|------------------------------------------------------------------------------|--------|
| <a href="#">bvhint</a>  | minimal BVH, capable of writing via int 10h when booting and install process |        |
| <a href="#">bvhmpa</a>  | a BVH for monochrome adapter                                                 |        |
| <a href="#">bvhvga</a>  | a BVH for VGA adapter                                                        |        |
| <a href="#">bvhsvga</a> | a filter BVH for SVGA modes                                                  |        |
| <a href="#">bvhwndw</a> | a BVH for VIO windows in a PM environment                                    |        |

## GRADD subsystem

| Name                     | Description                                               | Status |
|--------------------------|-----------------------------------------------------------|--------|
| <a href="#">vman</a>     | Video Manager (VMAN)                                      |        |
| <a href="#">softdraw</a> | Softdraw - a default software renderer                    |        |
| <a href="#">gre2vman</a> | A PM GRE to VMAN translation layer                        |        |
| <a href="#">gengradd</a> | Generic VESA GRADD driver as an example of a GRADD driver |        |

## Information Presentation facility

| Name                     | Description                            | Status |
|--------------------------|----------------------------------------|--------|
| <a href="#">helpmgr</a>  | Help Manager API                       |        |
| <a href="#">hpmgrmri</a> | Help manager MRI (resources)           |        |
| <a href="#">minxobj</a>  | Mindex (Main Index/Glossary) WPS class |        |
| <a href="#">ibmhmgr</a>  | Old version of helpmgr (from IBM)      |        |
| <a href="#">newview</a>  | some NewView stub ???                  |        |
| <a href="#">minxmri</a>  | Mindex resources (MRI)                 |        |

## REXX

| Name                    | Description                                                                | Status |                          |                        |
|-------------------------|----------------------------------------------------------------------------|--------|--------------------------|------------------------|
| <a href="#">rexx</a>    | REXX Interpreter                                                           |        |                          |                        |
| <a href="#">rexxapi</a> | API for manipulating REXX environment and enable scripting in applications |        | <a href="#">rexxutil</a> | REXX utilities library |

## Presentation Manager

### The core PM DLL's

|                         |                                           |                          |                                       |                         |                        |                         |                     |
|-------------------------|-------------------------------------------|--------------------------|---------------------------------------|-------------------------|------------------------|-------------------------|---------------------|
| <a href="#">pmmerge</a> | The PM merged library (the PM "kernel")   | <a href="#">pmmrgres</a> | PMMERGE resources                     | <a href="#">pmshapi</a> | The PMSHELL API        | <a href="#">pmshlkt</a> | PMSHELL toolkit ??? |
| <a href="#">pmgre</a>   | PM GRE (Graphics Runtime Environment) API | <a href="#">pmgpi</a>    | GPI (Graphical Program Interface) API | <a href="#">pmdrag</a>  | The PM Drag'n'Drop API | <a href="#">pmctls</a>  | PM controls         |

|                        |                           |                         |                                     |                          |                      |                        |               |
|------------------------|---------------------------|-------------------------|-------------------------------------|--------------------------|----------------------|------------------------|---------------|
| <a href="#">pmbidi</a> | PM BIDI API               | <a href="#">pmmle</a>   | PM MLE (Multiple Line Edit) control | <a href="#">pmspl</a>    | PM Print Spooler API | <a href="#">pmviop</a> | PM VIO Shield |
| <a href="#">pmwin</a>  | PM Window Manager API     |                         |                                     |                          |                      |                        |               |
| <a href="#">pmwinx</a> | Open32 (Win32 API subset) | <a href="#">mirrors</a> | Something also related to Open32    | <a href="#">registry</a> | Registry support     |                        |               |

## The IFI (Intelligent Font Interface) drivers

|                       |                         |                          |                           |                        |                          |                          |                                               |
|-----------------------|-------------------------|--------------------------|---------------------------|------------------------|--------------------------|--------------------------|-----------------------------------------------|
| <a href="#">pmatm</a> | A PM Adobe Type Manager | <a href="#">truetype</a> | A PM Truetype Font Driver | <a href="#">pmunif</a> | A PM UNI Font IFI driver | <a href="#">freetype</a> | A Free OpenSource Truetype driver replacement |
| <a href="#">pmpre</a> | PMPRE ???               |                          |                           |                        |                          |                          |                                               |

## Data Exchange

|                        |              |                       |                                      |                         |     |  |
|------------------------|--------------|-----------------------|--------------------------------------|-------------------------|-----|--|
| <a href="#">pmclip</a> | PM clipboard | <a href="#">pmdde</a> | A windows-like Dynamic Data Exchange | <a href="#">pmddeml</a> | ??? |  |
|------------------------|--------------|-----------------------|--------------------------------------|-------------------------|-----|--|

## VDM PM interface

|                        |               |                        |                                               |                          |                                       |                        |                 |
|------------------------|---------------|------------------------|-----------------------------------------------|--------------------------|---------------------------------------|------------------------|-----------------|
| <a href="#">pmvdmh</a> | PM VDM helper | <a href="#">pmvdmp</a> | PM DOS window DLL (works closely with pmviop) | <a href="#">seamless</a> | Seamless Win-OS/2 support (PM shield) | <a href="#">shield</a> | Some shield API |
|------------------------|---------------|------------------------|-----------------------------------------------|--------------------------|---------------------------------------|------------------------|-----------------|

## WPS

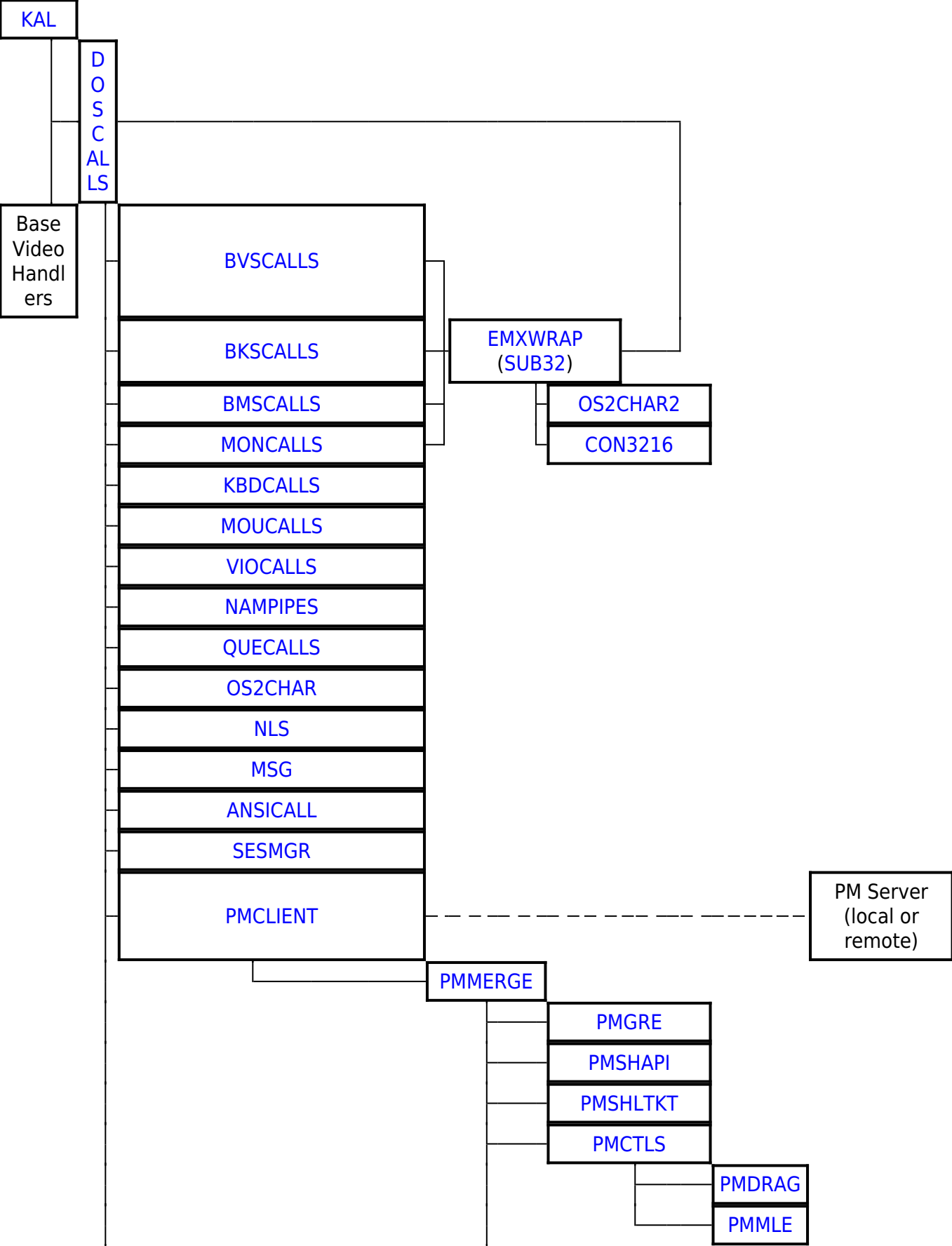
|                      |                 |                         |               |                          |                                       |
|----------------------|-----------------|-------------------------|---------------|--------------------------|---------------------------------------|
| <a href="#">pmwp</a> | WPS main module | <a href="#">pmwpmri</a> | WPS resources | <a href="#">pmvddrop</a> | PMVDDrop Class library (WPS class???) |
|----------------------|-----------------|-------------------------|---------------|--------------------------|---------------------------------------|

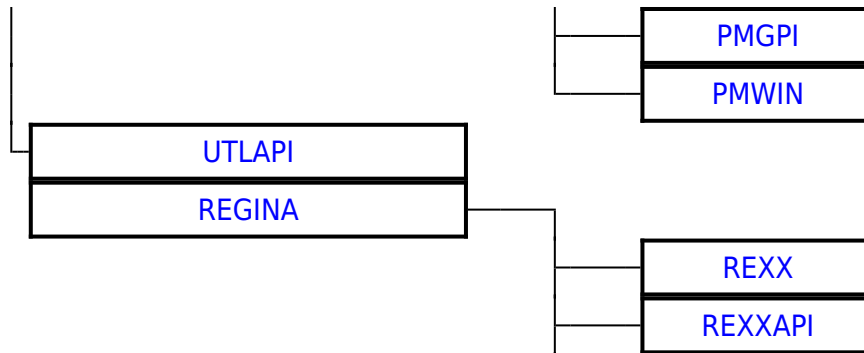
## Miscellaneous

|                       |                                               |                      |                |
|-----------------------|-----------------------------------------------|----------------------|----------------|
| <a href="#">pmpic</a> | Something which handle pictures and metafiles | <a href="#">pmkt</a> | PM toolkit ??? |
|-----------------------|-----------------------------------------------|----------------------|----------------|

| OS/2 DLLs                               |                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Base API                                | <a href="#">DOSCALLS</a> <a href="#">EMXWRAP</a> <a href="#">SUB32</a> <a href="#">ANSICALL</a> <a href="#">NLS</a> <a href="#">MSG</a> <a href="#">MONCALLS</a> <a href="#">KBD</a> <a href="#">CALLS</a> <a href="#">MOUCALLS</a> <a href="#">VIOCALLS</a> <a href="#">SESMGR</a> <a href="#">BKSCALLS</a> <a href="#">BMSCALLS</a> <a href="#">BVSCALLS</a> <a href="#">NAMPIPES</a> <a href="#">QUECALLS</a> <a href="#">OS2CHAR</a> |
| Bidirectional NLS                       | <a href="#">BDCALLS</a> <a href="#">BDCALLS32</a> <a href="#">BDIME</a> <a href="#">BDBVH</a> <a href="#">BDVIEW</a> <a href="#">BDWPCLS</a> <a href="#">BIDIPM</a> <a href="#">PMBIDI</a>                                                                                                                                                                                                                                               |
| Unicode API                             | <a href="#">UCONV</a> <a href="#">UNIKBD</a> <a href="#">LIBUNI</a>                                                                                                                                                                                                                                                                                                                                                                      |
| BVH (Base Video Handlers)               | <a href="#">BVHINIT</a> <a href="#">BVHMPA</a> <a href="#">BVHVGA</a> <a href="#">BVHSVGA</a> <a href="#">BVHWNDW</a>                                                                                                                                                                                                                                                                                                                    |
| GRADD subsystem                         | <a href="#">VMAN</a> <a href="#">SOFTDRAW</a> <a href="#">GRE2VMAN</a> <a href="#">GENGRADD</a>                                                                                                                                                                                                                                                                                                                                          |
| IPF (Information Presentation facility) | <a href="#">HELPMGR</a> <a href="#">HPMGRMRI</a> <a href="#">MINXOBJ</a> <a href="#">IBMHMGR</a> <a href="#">NEWVIEW</a> <a href="#">MINXMRI</a> <a href="#">ERRTXT</a>                                                                                                                                                                                                                                                                  |
| REXX                                    | <a href="#">REXX</a> <a href="#">REXXAPI</a> <a href="#">REXXUTIL</a> <a href="#">REGINA</a>                                                                                                                                                                                                                                                                                                                                             |
| The core PM DLL's                       | <a href="#">PMMERGE</a> <a href="#">PMMRGRES</a> <a href="#">PMSHAPI</a> <a href="#">PMSHLTKT</a> <a href="#">PMGRE</a> <a href="#">PMGPI</a> <a href="#">PMDRAG</a> <a href="#">PMCTLS</a> <a href="#">PMMLE</a> <a href="#">PMSPL</a> <a href="#">PMVIOP</a> <a href="#">PMWIN</a>                                                                                                                                                     |
| Open32                                  | <a href="#">PMWINX</a> <a href="#">MIRRORS</a> <a href="#">REGISTRY</a>                                                                                                                                                                                                                                                                                                                                                                  |
| Intelligent Font Interface drivers      | <a href="#">PMATM</a> <a href="#">TRUETYPE</a> <a href="#">PMUNIF</a> <a href="#">FREETYPE</a> <a href="#">PMPRE</a>                                                                                                                                                                                                                                                                                                                     |
| Data Exchange                           | <a href="#">PMCLIP</a> <a href="#">PMDDE</a> <a href="#">PMDDEML</a>                                                                                                                                                                                                                                                                                                                                                                     |

|                  |                               |
|------------------|-------------------------------|
| OS/2 DLLs        |                               |
| VDM PM interface | PMVDMH PMVDMP SEAMLESS SHIELD |
| WPS              | PMWP PMWPMRU PMVDDROP         |
| Miscellaneous    | PMPIC PMTKT MVDM              |
| SOM API          | SOM SOMC                      |





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