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# UL/SPF Release 5.0 Notes

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## *Proprietary Notices*

The following products:

- *Janus Open Server*
- *Janus Specialty Data Store*
- *Janus Web Server*
- *SirMon*
- *SirScan*
- *SirPro*
- *SirDBA*
- *Sir2000 User Language Tools*

are proprietary products of Sirius Software, Inc.:

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**Model 204™** is a proprietary product of Computer Corporation of America:

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*Contents*

**Proprietary Notices** . . . . . **iii**

**Contents** . . . . . **v**

**Chapter 1: Introduction** . . . . . **1**

**Chapter 2: New Features** . . . . . **3**

    SirDBA . . . . . 3

    Janus Open Server, Janus Specialty Data Store, and Janus Web Server . . . . . 3

    SirMon . . . . . 4

    SirPro . . . . . 5



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**CHAPTER 1** ***Introduction***

This document lists the enhancements and other changes contained in version 5.0, the newest release of *UL/SPF*. The previous version of *UL/SPF*, 4.0, was released in September 1995.



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**CHAPTER 2** *New Features*

## 2.1 **SirDBA**

*SirDBA* is a new product for Version 5.0. *SirDBA* provides utilities that determine the datatype contents of Model 204 fields, with a specific emphasis on date datatypes. Once the *Model 204* fields are mapped and stored in *SirDBA*'s internal database, they can be used to initiate *SirPro* string searches for procedures containing references to the field.

In conjunction with *SirPro*, *SirDBA* provides a targeted Year 2000 development platform that allows programmers to find specific date-formatted data in their User Language code.

## 2.2 **Janus Open Server, Janus Specialty Data Store, and Janus Web Server**

Other than the following, various internal changes to Janus are detailed in the *Sirius Mods Release Notes*.

### **ODBC support**

*Janus Open Server* and *Janus Specialty Data Store* have enhanced support for Intersolve ODBC drivers.

### *Janus Web Server* **Out-of-Box**

*Janus Web Server* now includes dozens of running sample programs. They execute from the default web page, as soon as *Janus Web Server* is linked to an online and the first web port is started. These include pages for uploading binary files to *Model 204*, a full web-based Interactive SQL that demonstrates the use of frames with *Janus Web Server*, command processors, and more.

A number of Java and JavaScript sample programs are also included, and they are embedded in sample web pages.

## 2.3 SirMon

The following new statistics are now available in *SirMon*:

**TCPCONM** Max(number of SDAEMONS, licensed connections). If the number of SDAEMONS is less than the licensed connection count, a large number of in-use SDAEMONS (say for background requests, the Omni user, etc.) would make the true number of SDAEMONS available even less than TCPCONM.

**TCPCON** Current number of connections.

**TCPCONH** High water mark of number of connections.

**TCPFRE** Number of free connections = TCPCONM - TCPCON.

**TCPFREL** Low water mark of free connections = TCPCONM - TCPCONH.

**TCPCONL** Maximum number of connections licensed.

**TCPREF** Count of refused connections. Connections can be refused due to any of the following:

1. Insufficient virtual storage to allocate connection time control blocks (for ALLOCC ports).
2. Max licensed connections exceeded.
3. No available SDAEMONS.

The specific applicable error (MSIR.??) will be audited under the JANUSTCP PST's user number, **not** on an IODEV 15 (aka SDAEMON). If you see TCPREF > 0, use *SirScan* to find out exactly what went wrong.

**SDMACTM** Maximum number of active SDAEMONS allowed. This should be the same as NOTERM for IODEV 15 (or whatever number you use as SDAEMDEV).

**SDMACT** Current number of active SDAEMONS (\$COMMxxx use, Janus uses, whatever).

**SDMACTH** High water mark of active SDAEMONS.

**SDMFRE** Number of free (available) SDAEMONS = SDMACTM - SDMACT.

**SDMFREL** Low water mark of free (available) SDAEMONS = SDMACTM - SDMACTH.

**SDMUNAV** Number of times an SDAEMON was required but unavailable (either for Janus or for a synchronous \$COMM request). This does **not** include the number of times an asynchronous \$COMMBG request had to wait for an SDAEMON.

The following new statistics have been added to the *SirMon* System Overview Screen (1). They might be useful for you to select for background monitoring:

- SDMACT
- SDMACTH
- SDMFREL

Any of these new statistics can of course be added to custom System views.

## 2.4 SirPro

### Enhanced search and code display

The number of concurrent search strings has been increased from 4 to 5. In addition, up to 9 lines of code beginning with the found string can now be displayed in the *SirPro* edit list.

### *SirDBA* integration

Fields mapped and stored by *SirDBA* can be selected as search strings, initiating *SirPro* edit sessions.

