

VISUAL messagecenter

Support for iASPs in Tango/04 Products

Support for iASPs in Tango/04 Products

The software described in this book is furnished under a license agreement and may be used only in accordance with the terms of the agreement.

Copyright Notice

Copyright © 2010 Tango/04. All rights reserved.

Document date: November 2010

Document version: 2.11

Product version: All products

No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language or computer language, in any form or by any means, electronic mechanical, magnetic, optical, chemical, manual, or otherwise, without the prior written permission of Tango/04.

Trademarks

Any references to trademarked product names are owned by their respective companies.

Technical Support

For technical support visit our web site at www.tango04.com.

Tango/04 Computing Group S.L.

Avda. Meridiana 358, 5 A-B

08027 Barcelona

Spain

Phone: +34 93 274 0051

Table of Contents





Table of Contents	iii
How to Use this Guide	iv
<hr/>	
Chapter 1: Product Installation	1
Chapter 2: VISUAL Support Pro and VISUAL Debugger for Windows	2
Chapter 3: VISUAL Control for Jobs, Pools and Windows	3
Chapter 4: VISUAL Message Center	4
4.1. Batch (BCH) and HST agent:	4
4.1.1. How to set the ASP Group different from *NONE.	4
4.2. Agents controlling spool files (SPJ, SPQ and SPF)	5
Chapter 5: Data Monitor for iSeries	6
<hr/>	
Appendix A: Further Information	7
A.1. Using Tango/04 PDF Documentation	7
A.2. Tango/04 University	7
A.3. Contacting Tango/04	9
<hr/>	
About Tango/04 Computing Group	10
Legal notice	11

How to Use this Guide

This chapter explains how to use Tango/04 User Guides and understand the typographical conventions used in all Tango/04 documentation.

Typographical Conventions

The following conventional terms, text formats, and symbols are used throughout Tango/04 printed documentation:

Convention	Description
Boldface	Commands, on-screen buttons and menu options.
<i>Blue Italic</i>	References and links to other sections in the manual or further documentation containing relevant information.
<i>Italic</i>	Text displayed on screen, or variables where the user must substitute their own details.
Monospace	Input commands such as System i commands or code, or text that users must type in.
UPPERCASE	Keyboard keys, such as CTRL for the Control key and F5 for the function key that is labeled F5.
	Notes and useful additional information.
	Tips and hints that will improve the users experience of working with this product.
	Important additional information that the user is strongly advised to note.
	Warning information. Failure to take note of this information could potentially lead to serious problems.

Chapter 1

Product Installation

Our iSeries/System i/AS400 software can only be installed

- On the system ASP (also referred to as ASP number 1) or
- In user ASPs (ASPs number 2 through 32).

Our iSeries/System i/AS400 software includes

- VISUAL Message Center (VMC)
- Data Monitor for iSeries (DMi)
- VISUAL Control for Jobs (VCJ)
- VISUAL Control for Pools (VCP)
- VISUAL Control for Windows/Performance Agent (VCW)
- VISUAL Support (VSP)
- VISUAL Debugger for Windows (VDW)

Chapter 2

VISUAL Support Pro and VISUAL Debugger for Windows

If you want to use VISUAL Support Pro for capturing jobs or VISUAL Debugger for Windows for debugging jobs with an Auxiliary Storage Pool Group (ASP Group) that is different to *NONE you need to follow these steps:

Step 1. Change the initial ASP Group in the T4NICELINK/DAEMON job description with the command:

```
CHGJOB JOB(T4NICELINK/DAEMON) INLASGRP(NAME),
```

where NAME is the ASP Group of the job you want to capture or debug.

**Tip**

To display the ASP Group of a job use the command `DSPJOB OPTION(*DFNA)` and look for the attribute called *Auxiliary Storage Pool Group* located at the end.

Step 2. End jobs with name `**INZ****` or DAEMON inside subsystem T4NICELINK.

Step 3. Use option **31. Start NiceLink TCP/IP Daemon** from the T4NICELINK/T4NICELINK menu. This will start jobs ended in the previous step.

**Note**

Step 2 ends all connections of all our client/server products (for example VISUAL Support Pro and VISUAL Debugger for Windows) so you will need to connect them again.

Now you are ready to use VISUAL Support Pro and VISUAL Debugger for Windows for jobs with an ASP Group, but bear in mind that:

- Each time you need to work with jobs with a different ASP Group you will need to repeat steps 1 through 3.
- When using the tools *Open Object* and *Open Source Member* In VISUAL Support Pro and VISUAL Debugger for Windows you will be able to see only the libraries in the configured ASP Group.
- VISUAL Debugger for Windows will only be able to debug programs or service programs in the configured ASP Group.
- The list of jobs displayed in VISUAL Support Pro is not affected by the configured ASP Group.

Chapter 3

VISUAL Control for Jobs, Pools and Windows

VISUAL Control for Jobs, Pools and Windows fully support iASP and do not require any special consideration for working with systems with independent ASPs (iASPs).

As VISUAL Message Center is in fact a group of agents or monitors with different functionality, it has to be analyzed in parts.

Operation of VISUAL Message Center is not affected by systems with iASPs, with a few exceptions:

4.1 Batch (BCH) and HST agent:

Batch Agent (job BD_MONITOR) and HST Agent can only work with iASPs included in a specific ASP Group at the same time.

This means that:

- **Batch Agent** can *only* read message queues and message files located in the ASPs determined by this ASP Group.
- **HST Agent** can *only* read message IDs from message files located in the ASPs determined by this ASP Group.

By default the ASP Group is *NONE, so Batch and HST Agent are not working with any iASP. Only the libraries in the system ASP (ASP 1) and any basic user ASPs (numbers 2-32) are included.

If this ASP Group is different from *NONE, then the Batch and HST Agents will include all ASPs in this ASP Group.

If the Batch or HST Agents do not find the message file for an event, this event is still saved and you will be able to see it in the SmartConsole. The only difference is that the variable &FIRSTLEVEL will contain the message data and not the message text. [See the Smart Console Warning below](#) for more details.

4.1.1 How to set the ASP Group different from *NONE.

Use command:

```
CHGDTAARA DTAARA(B_DETECTOR/VMCASPGRP) VALUE(' <ASPGroupName>')
```

Enter a proper value for <ASPGroupName>.



Important

Every time you change this data area with this command, you must restart the Batch and HST Agents, as well as the SmartConsole.

If you want to configure the message queues list properly for Batch Agent, you also should use option **11. Work with Monitored Message Queues** in an interactive job set with this ASP group.

**SmartConsole Warning**

If you work with iASPs for Batch and/or HST Agent and you are not able to support the iASP in the way explained above, we recommend that:

For alarms in the SmartConsole that involve Message IDs of a Message File in this iASP, you do not use the variables (&VAR01, &VAR02 ...), but the variable &FIRSTLEVEL instead, taking into account that it will contain the message data, not the message text.

Refer to IBM Information Center for more information on independent ASPs.

4.2 Agents controlling spool files (SPJ, SPQ and SPF)

Agents controlling spool files cannot distinguish between two output queues with the same name and library, but in different ASP Groups. Events received in the SmartConsole will not specify the iASP of the output queue. These agents will monitor the output queues that are in the ASP Group for the monitor job of the agents (i.e. SPJMONITOR, SPQMONITOR and SPFMONITOR respectively).

To change the ASP Group you need to change the job descriptions of each of the monitor jobs:

- B_DETECTOR/SPJMONITOR,
- B_DETECTOR/SPQMONITOR, and
- B_DETECTOR/SPFMONITOR respectively.

For details on how to change the ASP Group of a job description see steps 1 through 3 in [Chapter 2 - VISUAL Support Pro and VISUAL Debugger for Windows](#) on [page 2](#).

Chapter 5

Data Monitor for iSeries

Data Monitor for iSeries fully supports iASP and does not require any special consideration for working with systems with independent ASPs (iASPs).

Appendix A

Further Information

A.1 Using Tango/04 PDF Documentation

Tango/04 documentation is available directly from the Tango/04 solutions DVD.

To open the Tango/04 documentation that is provided in PDF files use Adobe Acrobat Reader. Acrobat Reader lets you view, search, and print the documentation. You can download Acrobat Reader for free from the Adobe Web site (<http://www.adobe.com>).



Tip

We advise printing PDF documentation for easy reference. Please ensure you familiarize yourself with a products user guide before attempting to use the product.

To access PDF documents on the DVD:

- Step 1.** Navigate to a *product suite* (VISUAL Message Center for example) and click on the **Product Documentation** link to open a list of all the User Guides available for that product suite. The list contains direct links to the documents in PDF format.
- Step 2.** Alternatively, you can navigate within the DVD menu to a particular *product* and click on the **Product Documentation** link to open the User Guide in PDF format for that product.

A.2 Tango/04 University

In a continuous effort to provide all users of Tango/04 technologies with high quality training and education, Tango/04 Computing Group presents the new training program open to partners and users worldwide.

Tango/04 University is aimed at providing Tango/04 users and partners with the most effective tools and knowledge to manage Tango/04 technologies and products and use them at their highest potential.

Attendance of the training course and passing the related exams is mandatory in order to qualify as Tango/04 Business Partner for the technology area covered by the course, and will offer you important benefits such as:

- Tango/04 Official Certifications - Tango/04 partners will be required to have a number of certified consultants, depending on the Business Partner Level

- Exploit the full potential of Tango/04 technologies - Solutions such as VISUAL Message Center and VISUAL Security Suite are very broad solutions that feature much functionality. Knowing all these functions and how to use them is key to getting the most out of the product
- Integration with other solutions - Tango/04 is constantly growing: knowing the new products and agents may allow you to integrate other parts of the IT infrastructure into Tango/04 Solutions
- Tango/04 Business Partners will learn how to effectively deploy a monitoring project in order to obtain the maximum effectiveness and customer satisfaction.

Participants' profile: Consultants, System Administrators, operators and technical staff, with knowledge of Windows, iSeries, Linux and Unix systems who will be involved in managing or deploying Tango/04 technology.

Pre-requisites: Being Tango/04 Business Partner or Tango/04 Customer.

A.3 Contacting Tango/04

North America

Tango/04 North America
One Phoenix Mill Lane - Suite 201
NH 03458 Peterborough
USA

Phone: 1-800-304-6872 / 603-924-7391
Fax: 858-428-2864
sales@tango04.net
www.tango04.com

Italy

Tango/04 Italy
Viale Garibaldi 51/53
13100 Vercelli
Italy

Phone: +39 0161 56922
Fax: +39 0161 259277
Contact: Ferdinando Caccianotti
info@tango04.it
www.tango04.it

Sales Office in Switzerland

Tango/04 Switzerland
18, Avenue Louis Casañ
CH-1209 Genève
Switzerland

Phone: +41 (0)22 747 7866
Fax: +41 (0)22 747 7999
Contact: Mr. Jean-Philippe Fourche
contact@tango04.net
www.tango04.fr

Sales Office in Peru

Barcelona/04 PERÚ
Centro Empresarial Real
Av. Víctor A. Belaúnde 147, Vía Principal 140
Edificio Real Seis, Piso 6
L 27 Lima
Perú

Phone: +51 1 211-2690
Fax: +51 1 211-2526
info@barcelona04.net
www.barcelona04.com

EMEA

Tango/04 Computing Group S.L.
Avda. Meridiana 358, 5 A-B
08027 Barcelona
Spain

Phone: +34 93 274 0051
Fax: +34 93 345 1329
info@tango04.net
www.tango04.com

Sales Office in France

Tango/04 France
La Grande Arche
Paroi Nord 15ème étage
92044 Paris La Défense
France

Phone: +33 01 40 90 34 49
Fax: +33 01 40 90 31 01
Contact: Mr. Jean-Philippe Fourche
contact@tango04.net
www.tango04.fr

Latin American Headquarters

Barcelona/04 Computing Group SRL (Argentina)
Avda. Federico Lacroze 2252, Piso 6
1426 Buenos Aires Capital Federal
Argentina

Phone: +54 11 4774-0112
Fax: +54 11 4773-9163
info@barcelona04.net
www.barcelona04.com

Sales Office in Chile

Barcelona/04 Chile
Nueva de Lyon 096 Oficina 702,
Providencia
Santiago
Chile

Phone: +56 2 234-0898
Fax: +56 2 2340865
info@barcelona04.net
www.barcelona04.com

About Tango/04 Computing Group

Tango/04 Computing Group is one of the leading developers of systems management and automation software. Tango/04 software helps companies maintain the operating health of all their business processes, improve service levels, increase productivity, and reduce costs through intelligent management of their IT infrastructure.

Founded in 1991 in Barcelona, Spain, Tango/04 is an IBM Business Partner and a key member of IBM's Autonomic Computing initiative. Tango/04 has more than a thousand customers who are served by over 35 authorized Business Partners around the world.

Alliances



Partnerships IBM Business Partner

IBM Autonomic Computing Business Partner

IBM PartnerWorld for Developers Advanced Membership

IBM ISV Advantage Agreement

IBM Early code release

IBM Direct Technical Liaison

Microsoft Developer Network

Microsoft Early Code Release

Awards



The information in this document was created using certain specific equipment and environments, and it is limited in application to those specific hardware and software products and version and releases levels.

Any references in this document regarding Tango/04 Computing Group products, software or services do not mean that Tango/04 Computing Group intends to make these available in all countries in which Tango/04 Computing Group operates. Any reference to a Tango/04 Computing Group product, software, or service may be used. Any functionally equivalent product that does not infringe any of Tango/04 Computing Group's intellectual property rights may be used instead of the Tango/04 Computing Group product, software or service

Tango/04 Computing Group may have patents or pending patent applications covering subject matter in this document. The furnishing of this document does not give you any license to these patents.

The information contained in this document has not been submitted to any formal Tango/04 Computing Group test and is distributed AS IS. The use of this information or the implementation of any of these techniques is a customer responsibility, and depends on the customer's ability to evaluate and integrate them into the customer's operational environment. Despite the fact that Tango/04 Computing Group could have reviewed each item for accurateness in a specific situation, there is no guarantee that the same or similar results will be obtained somewhere else. Customers attempting to adapt these techniques to their own environments do so at their own risk. Tango/04 Computing Group shall not be liable for any damages arising out of your use of the techniques depicted on this document, even if they have been advised of the possibility of such damages. This document could contain technical inaccuracies or typographical errors.

Any pointers in this publication to external web sites are provided for your convenience only and do not, in any manner, serve as an endorsement of these web sites.

The following terms are trademarks of the International Business Machines Corporation in the United States and/or other countries: iSeries, iSeriese, iSeries, i5, DB2, e (logo)@Server IBM ®, Operating System/400, OS/400, i5/OS.

Microsoft, SQL Server, Windows, Windows NT, Windows XP and the Windows logo are trademarks of Microsoft Corporation in the United States and/or other countries. Java and all Java-based trademarks and logos are trademarks or registered trademarks of Sun Microsystems, Inc. in the United States and/or other countries. UNIX is a registered trademark in the United States and other countries licensed exclusively through The Open Group. Oracle is a registered trade mark of Oracle Corporation.

Other company, product, and service names may be trademarks or service marks of other companies.