

Foglight 5.9.8 新版本

Quest Foglight 提供一個簡單易懂的監控平台，降低資料庫管理的技術門檻及工作量，以便維護與管理諸多應用系統，並提供長期或短期的效能分析、相關硬體資源分析、歷史效能資料及多項管理報表...等。利用 Foglight 監控工具，管理人員可以快速發現系統效能下降並即時發出告警，更快地去解決問題，以預防的態度避免問題惡化。

與其他解決方案不同，Foglight 可以同時監控多種資料庫、多種應用系統、實體與虛擬環境，並提供圖形化整合式儀表板讓管理者一次查看多種監控資訊，直觀的介面操作更能幫助企業快速地找到根本原因，進一步解決問題。

一、 新版本資訊

1. 最後更新日期：2021/02/18。
2. 目前最新版本編號：5.9.8。

二、 Foglight 5.9.8 新功能重點節錄

1. 增強使用者體驗：
 - 增強 Blackout Dashboard 的性能(FGL-20204)。
 - 障礙排除時會在 Audit Log 留下更多的紀錄(FGL-20331)。
 - 支援告警詳細資訊中顯示多行(FGL-20475)。

- JDBC 的最大連接數 Default 改為 60(FGL-20502)。
- 可以藉由 FMS 永久清除舊版本 Agent 的資料夾與 Log(FGL-20539)。
- 將安裝程序由 Installanywhere8 搬移到 Installanywhere20(FGLCM-38)。
- 引入自動清除任務，可以刪除更舊的版本的歷史紀錄(FGLCM-63)。
- 將內建的歷史資料庫由 PostgreSQL 由 9.4 升級為 10.14(FGLCM-66)。
- 支援 FMS 在 HTTP 證書即將到期時發出告警(FGLCM-133)。

2. 增強安全性：

- 查看 Tomcat Cipher 套件，並刪除密碼安全性較弱的套件(FGL-20482)。
- FMS 禁用 TLS1.0 及 TLS1.1(FGL-20495)。
- 適用於 CVE-2018-1272、CVE-2016-1000027、CVE-2020-5421、CVE-2020-5408 的升級的 Spring 框架庫(FGLCM-95)。
- 升級 CVE-2019-12400 的 xmlsec 庫(FGLCM-95)。
- 升級 CVE-2019-12415 的 Apache POI 庫(FGLCM-95)。
- 為 CVE-2018-1000632 升級 dom4j(FGLCM-95)。
- 升級 Tomcat 到 7.0.106(FGLCM-151)。

3. 新增可監控的 DB 與 OS :

- 新增對 Oracle Database 18c 的支援(FGL-20032)。
- 新增對 Oracle Database 19c 的支援(FGL-20418)。
- 新增對 CentOS 和 RedHat Enterprise Linux 8.x 的支援(FGL-20480)。
- 新增對 Oracle Linux 8.x 的支援(FGL-20481)。
- 新增對 Ubuntu Linux 20.04 LTS 的支援(FGL-20488)。
- 新增對 MySQL 8.x 的支援(FGL-20489)。
- 新增對 PostgreSQL 11/12 的支援(FGL-20490)。
- 新增對 SQL Server(Amazon RDS)的支援(FGL-20497)。
- 新增對 SQL Server 2019 的支援(FGL-20535)。
- 新增對 PostgreSQL(Amazon RDS)的支援(FGL-20600)。

4. Foglight Agent Manager(FglAM) :

- Foglight Agent Manager 升級到 5.9.8，且要注意 FglAM5.9.8 以後將不再支援 FglAM32 位元。

三、 Foglight5.9.8 解決的問題或增強的功能

- ◆ 要查看已安裝模組的已解決問題和增強功能，請參閱各個模組的發行說明，

以下列出重點節錄供參考：

Defect ID	Know Issue
WCF-15913	Custom rules (which are copied from existing cartridge rules) will drop some tables or charts that exist in the original Alarm dialog. Contact Quest Support for workaround.
FGL-20162	Running Foglight 5.9.5 on Windows Server 2008 requires upgrading PowerShell to version 3.0.
FGL-19877	Upgrading to version 5.9.3 completes successfully but the installation log contains shortcut creation failures.
FGL-18953	EU appliances may fail connecting the Foglight Management Server after the initial installation of Foglight Management Server. Workaround: Restart the Foglight Management Server after the installation.
FGL-18611	LDAP accounts may fail binding to the OU group whose name includes backslash characters '\'. This can prevent Foglight to authenticate LDAP users.
FGL-	FSMSERVICE availability calculations do not work as expected in

18470	a service hierarchy.
FGL- 18125	FoglightShutdownAction.checkInUsedPort() does not load port settings from <i>server.config</i> during an upgrade.
FGL- 18122	In a Windows Single-Sign ON (SSO) with untrusted multiple domains, only the user with the keytab file-corresponding group can be imported.
FGL- 18076	The Management Server data-driven multiple severity rules may fire multiple times for the same severity in case of concurrent data submissions.
FGL- 18075	The rule engine may pass non-persisted alarm IDs to rule actions. This can prevent some alarms, that are generated multiple times against the same scoping object, from firing.
FGL- 18034	PostgreSQL fails to start up while installing the Management Server with an embedded PostgreSQL database on a Korean OS.
FGL- 17845	Failing to start the Management Server with the --host=*. *.*.* option due to a failed attempt to start the embedded database.
FGL-	LDAP users may have to log in twice to get proper role

17826	assignments.
FGL-17769	<p>Foglight is configured with a list of default ciphers. Some of these ciphers are potentially vulnerable ciphers. A review of the ciphers that will be available in a future release is ongoing.</p> <p>Workaround: Edit the list of ciphers by completing the following steps:</p> <ol style="list-style-type: none"> Open the following file for editing: <ul style="list-style-type: none"> Releases prior to 5.7.1: <code><FMS_HOME>/server/deploy/jboss-web.deployer/server_https.xml</code> 5.7.1 release and later: <code><FMS_HOME>/server/tomcat/server.xml</code> In this file, specify a list of ciphers in the ciphers attribute of the secure connector: <pre> <Connector executor="tomcatThreadPool" maxHttpHeaderSize="8192" URIEncoding="UTF-8" scheme="https" secure="true" SSLEnabled="true" </pre>

	<pre> clientAuth="false" keystoreFile=" ../../config/tomcat.keystore" keystorePass="nitrogen" sslProtocol="TLS" sslEnabledProtocols="TLSv1.2,TLSv1.1,TLSv1" bindOnInit="false" ciphers="COMMA_SEPARATED_LIST _OF_CIPHERS"/> </pre> <p>For complete information, visit http://tomcat.apache.org/tomcat-7.0-doc/config/http.html.</p>
FGL-17768	The Management Server distribution layout contains some confusing directories under <i>server/jboss</i> .
FGL-17415	ObservationQueryPlan\$QueryStep.getDayIndex(...) can result in ArrayIndexOutOfBoundsException during a Daylight Savings Time (DST) change.
FGL-17162	Core monitoring policy derivations are not deployed on a Federated Master.
FGL-17055	Excluded objects are sometimes included in a Federation topology synchronization.

FGL-17015	A Foglight Agent Manager that is no longer in use maintains a stale disconnected RemoteObject instance under the host object. This causes the host to appear as undefined on the Hosts dashboard, even though the host is monitored by Foglight for Infrastructure.
FGL-16388	The alarm email notification code does not persist any information about notification alarms that were previously sent. If the server is restarted, all alarms appear as new, and the notifications are resent.
FGL-16166	Hibernate/JDBC errors occurring while loading rules return an empty list.
FGL-16163	Cleared credential alarms are found when querying for alarms that are not cleared.
FGL-4498	Simple rules that report alarms directly are not affected by blackouts.
FXM-880	Diagnose link doesn't work on the Master FMS.
FGLUI-10504	Selecting the time range "All" on the Service Details dashboard can result in the page getting stuck refreshing. Avoid using the

	"All" time range on this page.
FGLUI-10456	Selections made on the Service Selector tab of the Select services and tiers to monitor dialog box of the SOC become unselected when you switch to the Tier Selector tab and back again.
FGLUI-10323	<p>The first time the Environment Report is run it may generate a warning: "com.quest.wcf.core.component.RenderPDFContext - Text ... did not fit. in view ..."</p> <p>This is a benign warning that is caused by one of the values read from the environment being too large for a page.</p>
FGLUI-10036	<p>Credential alarm messages sometimes contain UUIDs for objects related to the alarm.</p> <p>Workaround: Show the Alarm Detail dialog for these alarms to resolve the objects to identifiable names.</p>
FGLUI-8261	When using a Federation Master that is a newer version than the Federated Child, it is possible to get warnings about missing metrics. This occurs when new metrics have been added to the Federation Master's version. The warnings

	<p>indicate that the Federated Child does not provide these metrics, and they will cease when the Federated Child is upgraded to the same version as the Federation Master.</p>
FGLUI-7817	<p>When editing secondary agent property lists, the Delete Selected Row(s) button marks the rows to be deleted by graying them out. Save changes must be selected to delete the selected rows. If a required field is blank, then a value must be entered before the row can be marked for deletion.</p>
FGLUI-7729	<p>In the Service Builder and Service Operation Console (SOC) dashboards, when alarm filters are configured, they are applied to the main dashboards (Service Builder and SOC dashboards) and to some first level popups only. The alarm filters are not applied throughout all popups/drilldowns at any level.</p>
FGLUI-6874	<p>If a Federation Master Server connects an older version Federated Child, the Federated Child may have some of the objects that are no longer associated with the Management Server Performance Report and Foglight Server Diagnostic views on the Federation Master. This results in some data about</p>

	<p>the Federated Child being unavailable to this report and views.</p> <p>Workaround: Go to the Federated Child to view detailed information.</p>
FGLUI-5990	Inconsistency in the number of alerts shown in the "All Alarms Chart" and "Alarm List with Filter" in the Alarms dashboard.
FGLUI-5708	Display all available scoping objects in the condition editor for copied and user-created rules.
FGLUI-4628	<p>On systems with a large numbers of hosts, the Host Table view can be slow to display.</p> <p>Workaround: Use the hide column feature to hide the sparkline (small graph) columns. This significantly improves the display performance.</p>
FGLUI-4544	Foglight 4 Tabular views generate an error when the time range has "Auto" granularity.
WCF-13385	QP5 needs to be upgraded to the latest version.
WCF-12581	In Internet Explorer 8, when the number of dashboard nodes in the navigation panel exceeds the maximum that can be

	displayed without a scrollbar, the scrollbar does not immediately appear.
WCF-10580	Tree Table list nodes should not be clickable or dwellable.
WCF-7344	PDF charts and files that were requested through a proxy fail and result in a Connection Refused error. Note that this error only applies to requests made by the Management Server.
WCF-5895	Vertical scrollbar not shown for the text area.

四、 升級兼容性

- ◆ 要從 5.5.x FMS 升級到 5.7.1 或更高的版本，需要先升級到 5.6.2(或更新的 5.6.x 版本)，然後再升級到 5.7.1 或更高的版本。
- ◆ 要從 5.6.11 FMS 升級到 5.7.5.x，需要先升級到 5.7.1，然後再升級到 5.7.5.x。
- ◆ 要從 5.7.5.x 管理服務器升級到 5.9.x，必須先升級到 5.7.5.8，然後再升級到 5.9.x。

五、 最終通知

1. 此版本不支援下列作業系統：

- CentOSLinux 5.x。
- Microsoft Windows Server 2008 R2。
- Novell SUSE Linux Enterprise Server 11.x。
- Ubuntu Linux 12.04.x LTS。

2. 此版本不支援下列平台：

- 32 位元 Windows。
- 32 位元 Linux。
- Solaris SPARC64。
- Solaris 86-64。

3. 從此 Foglight 版本開始，不再支援 Microsoft Internet Explorer 8、9 和 10。

倍力資訊將於 6/11 舉辦「**Foglight for Oracle 監控現在 預判未來**」線上研討會，將帶領您認識 Quest Foglight 的架構,介紹 Foglight 如何對 DB、O/S 進行實時監控,觀察 SQL 指令運行狀況,比對歷史資料,設定告警等功能。歡迎您撥冗線上與會：

<https://www.mpinfo.com.tw/activity/30>