Pitney Bowes Software

Code Scanner

User Guide

Spectrum™ Technology Platform

Data Discovery Module

Version 8

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Global IDs Product Suite® Code Scanner Manual

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Code Scanner

What it includes:

- About Code Scanner
- Scanning Code files and Searching for Domains in Code files
- Searching for Database References in Code files

About Code Scanner

Code Scanner application enables you to scan domains in code files. You can also find out all table and column names of a selected schema, used in the content of the scanned code files.

Scanning Code files and Searching for Domains in Code files

This topic teaches you to find out code files located in any system in your network and search for domains in them. To do so:

- Right click a system from the left hierarchy pane and select **Scan Files for Domains** option. **Scan Files for Domains** wizard appears.
- On Step 1 of the wizard:
  - Select a source
  - Specify a directory you would like to scan or select appropriate checkbox to scan the entire system.
  - Choose Code file types you want to scan. By default it finds all file types.
  - Select the appropriate check box to:
    - scan compressed files
    - scan code files in emails

Figure 1: Searching domains in Code files - step 1

Click **Next**.

- On Step 2 of the wizard:
  - Select the domains you would like to search in the code files.

Figure 2: Searching domains in Code files - step 2

- On Step 3 of the wizard:
  - Specify appropriate keywords for the selected domains to filter the search and reduce the number of false positives. This step is optional.
- On Step 4 of the wizard:
  - Specify the minimum number of distinct matches to display.
  - Specify the match threshold percentage
  - Select the **Search for multiple domains** checkbox and specify the number of multiple domains to search.
  - Select appropriate checkboxes to upload matched files to server and rerun domain scan for previously scanned files.

Figure 3: Searching domains in Code files - step 4

- On Step 5 of the wizard:
  - Select the appropriate radio button to run the task now or schedule it for a later time

- Assign a priority level by choosing between five priority options **(Background, Low, Normal, High, Critical)**
- Select the **Run tasks in parallel** check box to enable running more than one task at the same time and specify **Maximum tasks to run in parallel**
- You can also add time restrictions by clicking on the **Add Time Restrictions** link

Click **Finish**.

Viewing scanned code files

All scanned files are listed under the **Scanned Files** tab. The explorer pane displays the number of files scanned. By selecting the folder from the explorer pane you can view list of all files scanned with file name and file location. You can expand folders in explorer pane and select a sub folder to filter your search. Double clicking a file from the list displays the contents of the file.

Domain Search Results tab displays files along with their path in a hierarchical location. Selecting a file displays the contents of the code file and the domain found is highlighted with a background color.

Searching for Database References in Code files

This topic teaches you to find out database references in code files located in any system in your network. This activity helps you find out all references to tables and columns of the selected schemas.
To do so:

- Right click a system from the left hierarchy pane and select **Find Database References** option. **Find Database References** wizard appears.
- On Step 1 of the wizard:
  - Select a source
  - Specify a directory you would like to scan or select appropriate checkbox to scan the entire system.
  - Choose Code file types you want to scan. By default it finds all file types.
  - Select the appropriate check box to:
    - scan compressed files
    - scan code files in emails

Figure 4: Searching database references - step 1

Click **Next**.

- On Step 2 of the wizard:
  - Select the schemas whose table and column names you would like to search in the code files. Only those schemas are available for selection whose metadata has been discovered.

Figure 5: Searching database references - step 2

- On Step 3 of the wizard:
  - Select the appropriate radio button to run the task now or schedule it for a later time
  - Assign a priority level by choosing between five priority options **(Background, Low, Normal, High, Critical)**
  - Select the **Run tasks in parallel** check box to enable running more than one task at the same time and specify **Maximum tasks to run in parallel**
  - You can also add time restrictions by clicking on the **Add Time Restrictions** link

Click **Finish**.

Viewing data references in code files

All database references are displayed under **Database Reference Matches** tab. All files in which a table or column name is found, is displayed under the respective table in a hierarchical view. You can expand and click on individual table to view where in the code the respective table or column name is used.

Generating Reports

Reports can be generated in Code Scanner from the **Reports** tab which forms a part of the left vertical tabs. The following report can be created in HTML or PDF from Code Scanner.

Domain Scan Report - Select the root node of the left hierarchy to create this report.

Domain Scan Report

Description Domain Scan Report
:

Time of Creation :20 Aug 2012, 06:46:00
Created by :debashmita.roy@globalids.com

Domain Name	System Name (ip)	Drive	File Type	No of occurrences
EMAIL_ADDRESS	GID-LP-6 (192.168.33.191)	d:	Excel	1000
			Pdf	10
	windows (192.168.33.13)	c:	Excel	500
USA_PHONE_NUMBER	GID-LP-6 (192.168.33.191)	d:	Excel	776
US_SSN	PASTEUR (192.168.33.215)	e:	Word	30
			Excel	2130
	GID-LP-6 (192.168.33.191)	d:	Word	5
			Pdf	5
			Excel	622
	windows (192.168.33.13)	c:	Text	30
			Hypertext Markup Language File	7
			Pdf	7
			Excel	588
DUNS	PASTEUR (192.168.33.215)	e:	Word	10
			Excel	2130
USA_CITY	windows (192.168.33.13)	c:	Text	126
			Word	42
			PowerPoint	10
			Hypertext Markup Language File	164
			Pdf	244
			Excel	1513
ICD-9	GID-LP-6 (192.168.33.191)	d:	Excel	98

Figure 6: Domain Scan Report

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