

Internal SourceForge (iSF)

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MITRE Sponsored Research

The logo for the MITRE Technology Program, featuring a stylized graphic of stacked blocks in yellow, orange, and blue to the left of the text.

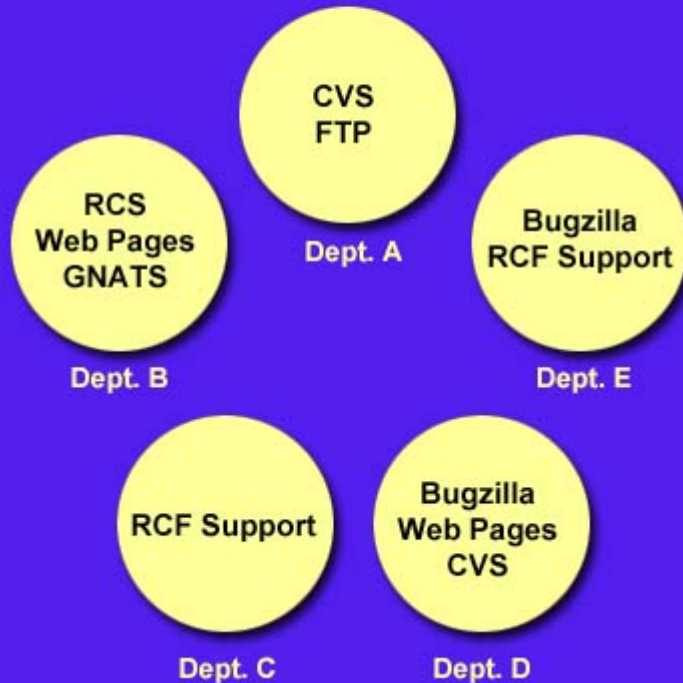
MITRE
Technology
Program

Problem

- **Software development today at MITRE**
 - **Hard to find out what exists**
 - **Hard to find particular expertise**
 - **Currently used tools are individual, no integration**
- **No consistency to managing and accessing software development projects**

Background

Software development solutions exist within MITRE but are managed separately by individual departments or by the RCF



Complete solutions exist for creating, managing and accessing software development projects



Objective

- **To provide a single focal point for all MITRE developers**
- **Field a system that would provide the following functionality:**
 - **Project space, code repository, web pages, bug tracking, task management, mailing lists**
 - **Developers manage their own project**
 - **Search for code/utilities and expertise**

Activities

- **Market survey of current available solutions**
- **Install the chosen system**
 - **Debian SourceForge**
- **Integrate with existing MITRE systems**
 - **RCF: storage and account management**
 - **LDAP: allow any MII user to log in**
 - **Mailing Lists: internal mailing list server**
- **Assess the system and transition to operations**

Highlight

■ Services available to every project

The screenshot shows the 'Internal SourceForge (iSF) - Summary' page. Blue arrows point from text labels to specific features on the page:

- Web pages**: Points to the top navigation menu.
- Bug tracking**: Points to the 'Bugs' link in the navigation menu.
- CVS repositories**: Points to the 'CVS' link in the navigation menu.
- Task management**: Points to the 'Tasks' link in the navigation menu.
- Discussion Forums**: Points to the 'Forums' link in the navigation menu.
- Project Summary**: Points to the project metadata section.
- Developers**: Points to the 'Project Admins' and 'Developers' list.
- File Releases**: Points to the 'Latest File Releases' table.

Internal SourceForge (iSF) - Summary

This project will be used to communicate between the developers/admins of the SF system and the users. You are free to submit comments or questions, request help, submit bugs via the Forums, Support and Bugs links above.

- Development Status: 4 - Beta
- Environment: Web Environment
- Intended Audience: Developers
- License: Other/Proprietary License
- Operating System: Linux
- Programming Language: PHP, Perl
- Topic: Software Development

Registered: 2002-Dec-20 16:50 EST

Latest File Releases [?]

Package	Version	Date	Notes / Monitor	Download
Change logs	v1_8	February 20, 2003	-	Download
Documentation	1.0	February 4, 2003	-	Download

Developer Info
[View Members](#)

Project Admins:
deb
jmaziarz
garrison

Developers:
None

Highlight

■ Methods of finding existing projects

The screenshot shows the SourceForge website interface. On the left is a navigation menu with 'Software Map' selected. The main content area is titled 'Software Project/Group Listing' and features a 'Finding Projects and Users' section with a search box and a 'Search' button. Below this is a 'Project List for All Projects' table with 14 entries. A blue text box 'List All Projects' has arrows pointing to the search box and the table. Another blue text box 'Categorized by Topic' has arrows pointing to the 'Software Map' menu and the project category list.

Software Map

Topic

- Aviation (3 projects)
- Communications (1 projects)
- Database (1 projects)
- Desktop Environment (0 projects)
- Education (0 projects)
- Games/Entertainment (0 projects)
- Internet (0 projects)
- Multimedia (0 projects)
- Office/Business (1 projects)
- Other/Nonlisted Topic (0 projects)
- Printing (0 projects)
- Religion (0 projects)
- Scientific/Engineering (1 projects)
- Security (0 projects)
- Software Development (1 projects)
- System (1 projects)
- Terminis (0 projects)

Finding Projects and Users

Software Project/Group Listing

- Display Full Software Project/Group List
- Display Projects Beginning with :
A|B|C|D|E|F|G|H|I|J|K|L|M|N|O|P|Q|R|S|T|U|V|W|X|Y|Z|0|1|2|3|4|5|6|7|8|9|
- Search (Unix Name, Project Name, Project ID, Description):

Search

Finding Projects and Users

Project List for All Projects

Total: 14

Project Name	Project Description	UNIX Name	Owner	Members
CCARS Project		pshearn	pshearn	1
Catalyst NLP Architecture	Catalyst is an information processing architecture (primarily natural language text) that combines standoff annotation and distributed dataflow processing.	catalyst	mardis	2
Command Line Object Toolset -		cmdline	amato	1
DS20 Project Status Briefing Builder	Automatically build PowerPoint Project Status briefings that conform to the DS20 format.	d520projbriefs	ttaylor	1
Internal SourceForge (ISF)	This project will be used to communicate between the developers/admins of the SF system and the users. Users, feel free to submit comments or questions, request help, submit bugs via the Forums, Support and Bugs links above.	isf	deb	3

List All Projects

Categorized by Topic

Impacts

- **Consistency for managing and accessing software development projects**
- **Place for all MITRE developed software**
 - **Internal to MITRE, no one from outside can access**
 - **Projects do not have to have any intention of making software open source**
- **Provides a community for MITRE developers**

Future Plans



■ Integrate with

– Phonebook

– Project Task Data

A screenshot of a web-based contact page for Deborah A. G. Ercolini. The page includes a search bar with 'Name' and 'contains' dropdowns, a profile picture, and a navigation menu with icons for DOCUMENTS, RESUME, TRANSFER, VIEW EMPL HOMEPAGE, and ADD. Below the navigation is a 'Contact Info' section with the following details:

Contact Info	
Primary Location: Bedford	
Name :	Ercolini,Deborah A. G
Title/Rank :	M.
Phone :	781-271-2191
EMail :	debi@mitre.org
Mail :	K320
Room :	3K114

A screenshot of a project information page for 'INTERNAL SOURCEFORGE'. The page includes a 'Select Fiscal Year' dropdown set to '2003', and a list of actions: Share Folders, Project Homepage, Org Chart, Previous Project Documents (Read Only), and Create/Edit. The 'Project Information' section contains the following details:

Project Information	
INTERNAL SOURCEFORGE	
Description:	INTERNAL SOURCEFORGE
Type:	IR and D MSR
Project Leader:	Ercolini,Deborah A. G.
Period of Performance:	09/23/2002 - 03/30/2003
Current Tasks:	
INTERNAL SOURCEFORGE	

■ Gather future requirements