

WEB & DATA HOSTING

DCP to Desktop



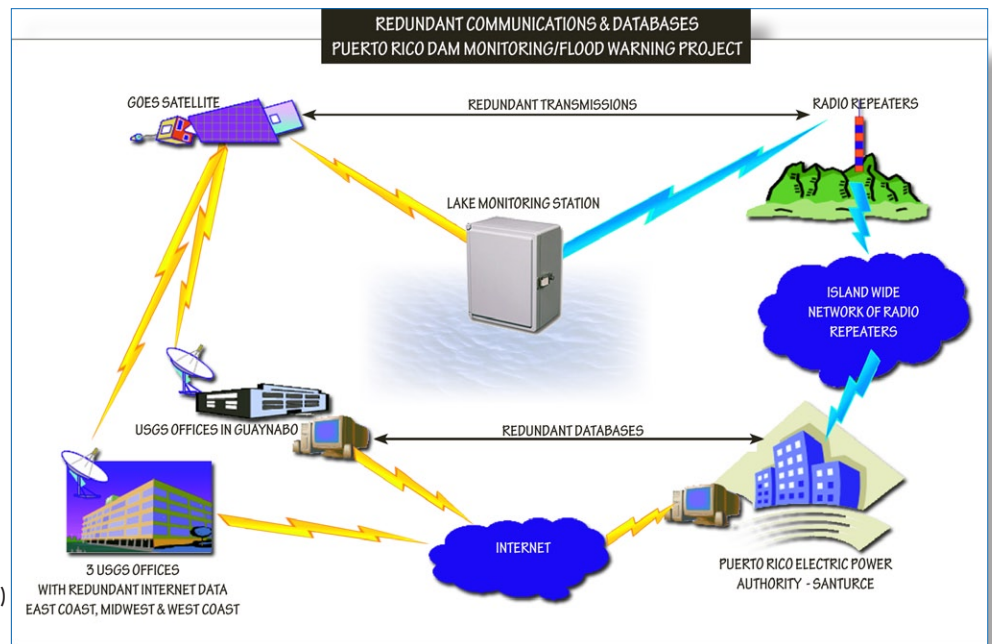
REAL TIME DATA WHEN YOU NEED IT, WHERE YOU NEED IT, & IN YOUR SPECIFIED FORMAT!

OBJECTIVE

1. Create dynamic web pages that display data acquired by XConnect.
2. Accept user inputs including date, time, range, station and sensor
3. Customizable data format in tabular

SOFTWARE REQUIREMENT

1. Windows 2000 Server with Internet Information Server (IIS)
2. XConnect with Database Option – Purchased separately by Customer
3. For Access MDB, no additional license required. For Oracle or SQL-Server, database is supplied by customer.
 - Windows 2000 Server and IIS will be supplied, prepared and configured by the customer. Windows 2000 Server must have Service Pack 4 or later. It can be a stan-alone server or part of the domain. TCP/IP protocol must be installed and configured. IIS must have FrontPage 2000 Server Extension (Installed by default). IIS is configured with application isolation level to high. A virtual directory must be created and point to the actual web application directory.
 - Other runtime requirement will be installed by XConnect setup.



inputs, such as station name, sensor name, time range and submit buttons. When the user click the submit button within the browsers, the request is sent to server. ASP pages interpret the request and generate proper SQL strings to retrieve data from database. The data is returned in an ADO result set. Then the same ASP creates the XML object and stores the data into it. It then returns the data with pre-defined XSLT pages as the response back to user. The browser has the XML and translated by XSLT to render the page into correct style, look and feel.

There are two key components in this implement. The first is the data, which is in XML format. The other is the format, which is pre-defined in XSLT style sheets.

All data returned to the clients are in XML format. ASP and XSLT programs are provided in the form of source code, so it can be the start point of further customization.

GENERAL DESCRIPTIONS ON IMPLEMENTATION

The dynamic web pages use server-side Active Server Page (ASP) to accept the user input within browsers, retrieve the data from database, format it into Extensible Markup Language (XML) and use Extensible Stylesheet Language Transformations (XSLT) to format the data into viewable web pages.

The ASP pages display forms which user can select

REPORTS TO BE PROVIDED

1. Station List/Sensor List
2. Last Reported Time for Stations
3. Data for Selected Station
4. Data for Today/Yesterday/5 days
5. Data for Selected Station, Sensor and Time Range

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LAST REPORTING TIMES

XC Reports - Microsoft Internet Explorer
Address: C:\Projects\XCReports\Reports\html\007 Stations Last Update.html

Last Reporting Times

9/5/2003 3:05:05PM

Station ID	Satellite ID	Unit ID	Last Update
AMISTAD DAM			
ARROYO COLORADO A	0092E620	ARROYO COLORADO	
EVANS CREEK	0091B152	EVANS CREEK	9/5/2003 5:19:11PM
MIDDLE FORK SAN PE	0091A224	MIDDLE FORK SAN	
NORTH FORK SAN PE	009197BE	NORTH FORK SAN	
FINTO CREEK	009205D2	PINTO CREEK	9/4/2003 8:20:01PM
FJO GRANDE AT COLOM	00923048	RIO GRANDE AT C	
FJO GRANDE AT FORT Q	0090A0DE	RIO GRANDE AT F	
FJO GRANDE AT LARED	009246D8	RIO GRANDE AT L	9/4/2003 8:20:41PM
FJO GRANDE AT LOS E	009290B0	RIO GRANDE AT L	
FJO GRANDE AT RIO G	009283C6	RIO GRANDE AT R	
FJO GRANDE AT ROM	00927342	RIO GRANDE AT R	9/4/2003 8:21:11PM
FJO GRANDE BELOW F	00926034	RIO GRANDE BELOW	
FJO GRANDE NEAR BR	009321C4	RIO GRANDE NEAR	
FJO GRANDE NEAR EL I	0092233E	RIO GRANDE NEAR	
FJO GRANDE NEAR SA	0093145E	RIO GRANDE NEAR	
ROUGH CANYON	009184C8	ROUGH CANYON	9/5/2003 5:18:41PM
SAN BENITO CREEK NE	0091F12F	SAN BENITO CREEK	



XCONNECT DATA HOSTING

OUTSOURCED DATA COLLECTION SERVICES



Not ready to implement a data collection network on your own?

Sutron can collect, decode, archive and deliver your data to you or post to the web; or install and operate your data collection network.

Reports:

ID	Name	Description
001	StationList	Station List
002	StageFlowForToday	Stage and Flow for Today
003	StageFlowForYesterday	Stage and Flow for Yesterday
004	StageFlowFor5Days	Stage and Flow for 5 Days
005	StageFlowFor30Days	Stage and Flow for 30 Days
006	StageFlowTimeRange	Stage and Flow for Selected Stations and Time Range
007	DailyStageForStation	Daily Stage Statistics for Station for 30 Days
008	DailyFlowForStation	Daily Flow Statistics for Station for 30 Days
009	Stage Flow Graph	Stage and Flow Graph for Selected Stations for 30 Days

Stations

Please Select Stations:

- AZTEC
- ELIDGE
- FARMERS IRR
- FARMERS MUTUAL
- FARMINGTON ECHO
- HALFORD
- HAMMOND
- HELLO BLANCKETT
- LOWER ANNAS
- STATION_TEMPLATE
- TWIN ROCK
- WILLET

Selected Station and Sensors:

- AZTEC
- CITIZENS

Daily Stage Statistics From 7/20/2004

Station ID	Time Tag	Count	Min ft	Avg ft	Max ft
AZTEC	7/20/2004	96	1.200	1.327	1.490
AZTEC	7/21/2004	96	1.480	1.485	1.490
AZTEC	7/22/2004	96	1.420	1.422	1.490
AZTEC	7/23/2004	96	1.490	1.504	1.530
AZTEC	7/24/2004	11	1.520	1.520	1.520
AZTEC	7/27/2004	49	1.410	1.420	1.430
AZTEC	7/28/2004	96	1.410	1.416	1.420
AZTEC	7/29/2004	96	1.400	1.408	1.410
AZTEC	7/30/2004	96	1.390	1.396	1.400
AZTEC	7/31/2004	71	1.390	1.396	1.390
AZTEC	8/1/2004	49	1.380	1.380	1.380
AZTEC	8/4/2004	96	1.370	1.421	1.420
AZTEC	8/5/2004	96	1.440	1.441	1.420
AZTEC	8/6/2004	96	1.440	1.448	1.420
AZTEC	8/7/2004	96	1.440	1.433	1.460
AZTEC	8/8/2004	96	1.430	1.438	1.420
AZTEC	8/9/2004	96	1.430	1.438	1.430
AZTEC	8/10/2004	96	1.430	1.433	1.440
AZTEC	8/11/2004	96	1.430	1.442	1.500
AZTEC	8/12/2004	96	1.450	1.476	1.500
AZTEC	8/13/2004	96	1.480	1.483	1.490
AZTEC	8/14/2004	96	1.480	1.483	1.500
AZTEC	8/15/2004	96	1.480	1.510	1.530
AZTEC	8/16/2004	96	1.320	1.329	1.360
AZTEC	8/17/2004	96	1.560	1.570	1.580

Stage/Flow from 7/20/2004

Thu Aug 19 12:58:49 MDT 2004

Options: Show Multi Axis Show Pointer

Refresh Now