



The end-to-end reliability forum.

## Northwest Chapter

WWW.7X24NW.ORG

### Mission Statement

The 7x24 Exchange Northwest Chapter's mission is to provide an open educational forum dedicated to the continuous improvement and increased awareness of data center reliability focusing on the key disciplines of design, construction, maintenance, security and management with the goal of obtaining continuous data center operations.

### Mark Your Calendar

January 29, 2002  
7x24 Exchange NW Chapter  
Server Cooling Work Group  
Intel Corporation  
DuPont, jWA  
12pm - 2 pm

February 19, 2002  
7x24 Exchange NW Chapter  
Fall Session  
Boeing  
Bellevue, WA  
4pm - 7pm

May 7, 2002  
7x24 Exchange NW Chapter  
Spring Session  
4pm - 7pm

June 2 - 6, 2002  
7x24 Exchange  
National Spring Conference  
Grand Floridian Hotel  
Orlando, FL

# winter 2002 UPDATE

### Fall Chapter Session

## Wearable Computing, Storage Area Networks, Server Cooling, Work Group Updates

The Fall Session was arguably one of the most full agendas of all our chapter meetings. XIOtech led off the evening with a detailed overview of Storage Area Networks (SAN) technology, demonstrating new ideas for the creation of highly reliable data storage and retrieval. For more information, visit: [www.xiotech.com](http://www.xiotech.com).

Deva Bodas of Intel focused on the efforts of the Advanced Systems Lab to develop an understanding on the impact of server technology on the data center environment. Deva also extended an open invitation to the mission critical community to provide input to Intel's efforts. Deva can be reached at: [deva.bodas@intel.com](mailto:deva.bodas@intel.com).

The Xbernaut Corporation gave a fascinating demonstration of wearable computer technology that facilitates mobile access to networks. Bill Baugh explained how this technology can be used to readily access mission critical information while not being stationed at a desk. Bill can be reached at: [bbaugh@xybernaut.com](mailto:bbaugh@xybernaut.com).

### Chapter Working Group Updates

Our two active Working Groups, Power Planning and Server Cooling have had several meetings. Stan Price and Wayne Humphrey of the Power Planning Group and David DeLorenzo of the Server Cooling Group gave updates of their activities. Meeting minutes and recent information are posted at the chapter website: [www.7x24nw.org](http://www.7x24nw.org).

The Server Cooling Work Group meets again on Tuesday, January 29, at the Intel campus in Du Pont, WA. For more information, contact David De Lorenzo: [david.s.de.lorenzo@intel.com](mailto:david.s.de.lorenzo@intel.com)

### 2002 Membership Renewals

Invoices for your 2002 membership dues have been mailed. Please return your payments as soon as possible, your continued support helps the chapter host these seminars and maintain our website. Please note any changes in contact information or members and return with your payment. If you did not receive an invoice or would like to join, please use the enclosed membership form or register online at: [www.7x24nw.org](http://www.7x24nw.org).

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# Data Center Roundtable

## US Trends in Redundancy and Security for WAN's

Joe Fox, Regional Sales Manager  
FatPipe Networks

VPNs, ASPs and thin client technologies are growing in popularity in the US, being implemented by businesses across the spectrum of industry to enhance productivity levels and provide better service to their customers. However, the inherent vulnerabilities of these new business models are of great concern to companies that are deploying mission critical applications over wide area networks. Joe Fox of FatPipe Networks will speak about the current trends in the WAN market space and the challenges companies face in terms of WAN security, reliability and redundancy. Fox will review the consequences and cost of WAN "downtime" and discuss solutions available to prevent intermittent WAN failures and security breaches.

### About the Speaker

Joe Fox is the Regional Sales Manager for the Intermountain West of FatPipe Networks. FatPipe is the leading developer of router clustering products for reliable, redundant and fast Internet/WAN connections. Fox has been with the company for three years. He has over 15 years experience in marketing, sales and education. Prior to joining FatPipe Networks, Fox was with Fidelity Investments and Dun & Bradstreet. Fox is a graduate of Utah State University and holds a Masters in Education from Westminster College.

### Chapter Work Group Updates

#### Server Cooling Work Group

David DeLorenzo and Leonard Ruff will present recent findings and discussion on the issue of data center cooling in dense server environments. David is a thermal engineer with the Intel Corporation in Du Pont; Leonard is an Associate Principal at Callison Architecture in Seattle.

Date  
Tuesday, February 19, 2002  
4 - 7 pm

Boeing  
Cafeteria, Building 33-07  
Bellevue, WA

### Agenda

4:00 Symposium:

US Trends in  
Redundancy and  
Security for WANs

4:45 Refreshments

5:30 Server  
Cooling  
Work Group  
Update



## 7x24 Exchange

Northwest Chapter

### Membership Application

Membership Type:  Individual \$50 per year  Corporate \$200 per year  
 Renewal  New Member

*For corporate memberships, complete one application for each individual and return the applications together with your membership fee. Corporate memberships may include an unlimited number of members per company. Send applications and payment to: Leonard Ruff, Callison Architecture, 1420 Fifth Avenue, Suite 2400 Seattle, WA 98101. Make checks payable to: 7x24 Exchange Northwest Chapter*

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Company: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

Country: \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email Address: \_\_\_\_\_

Remember, you can register on-line at: [www.7x24nw.org](http://www.7x24nw.org).

RSVP  
by Thursday, February 14

Boeing Information &  
Support Services

Attn: Rob Costa

T: 425-8652187  
F: 425-865-2961  
E: robert.costa@pss.boeing.com

Space is limited to promote  
interactive discussion.

## Data Center Roundtable

33-07 Building

Boeing Information and Support Services

2760 160th Avenue SE

Bellevue, WA

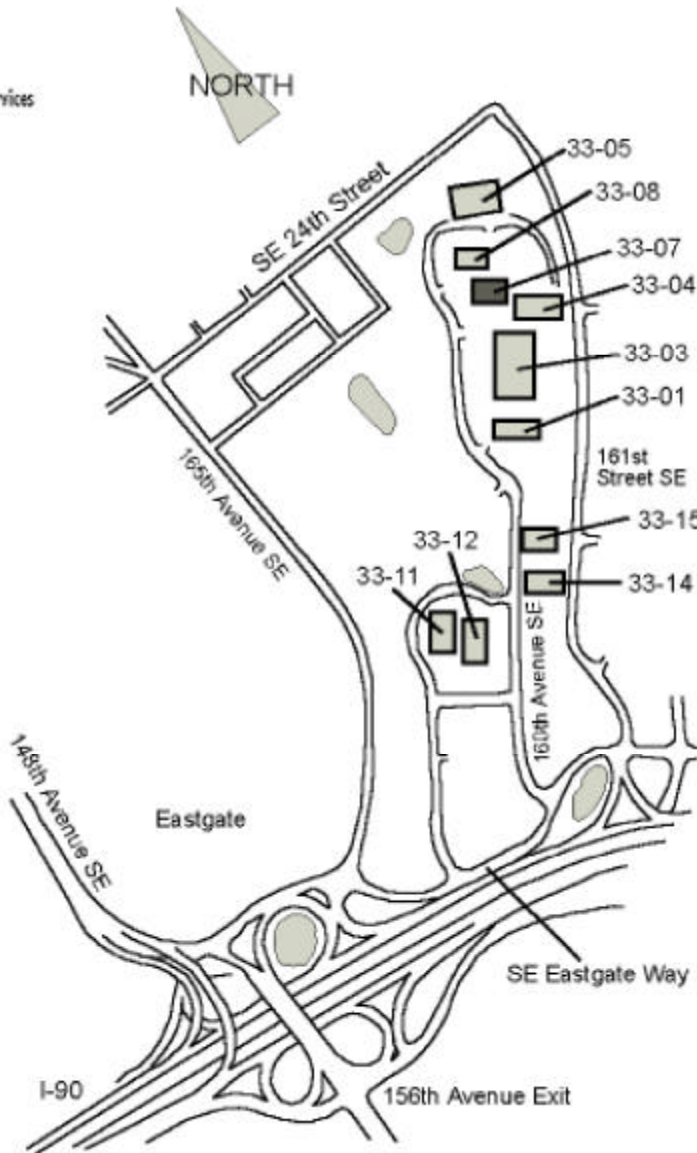
## Directions

From I-90

Take I 56th Avenue Exit

Turn right on SE Eastgate Way

Turn left on 160th Street SE



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