

Objectivity Case History

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Customer Information

Customer: ESEC_usa
Industry: Electronics
Application Domain: Semiconductor development
Status: Deployed and in development
Platform: HPUX 10.2
Compiler: VisualAge 2.5
Other Tools:

Buying Criteria

Why Objectivity

Gemstone was having problems with multithreading support

Contact Information

Objectivity Rep: See note
Customer Contact: Gopi Mandava
Phone: Fax:
Email:
Location: Waltham, MA

Notes

Esec is a Switzerland based company with an office in the Boston area. The people here in Boston are working with the development team in Switzerland on the project. They share code, and are in close contact with each other. So I am unsure of the jurisdiction of this particular account. Is it treated as an independent account? If so, then Vince is the sales rep. Otherwise, I guess it all goes through Rick ter Horst.

Details of Application

2/2/98

using 4.0.10+ smalltalk

* Development environment:
visualworks 2.5

* Language/compiler:
smalltalk/

* Hardware/operating system:
HP 10.2

* development tools/3rd party libraries:

* What does the application that you are developing do?

our system talks to machines which manufacture VLSI chips

* - What aspect of industry does it address?
semiconductor industry

* - Who are the end users?
IC manufacturers, operators on the factor floor

2/2/98

- * Are you using Objects (currently/or in future)?
- * Will they sell it or use it in-house?
in-house -
- * Is it complex data (or using lots of inheritance)?
more than 100 classes with deep inheritance
- * Is it a lot of data?
in the megabyte range (50 megs)
- * What is your physical system architecture? # clients/etc.?
1 user at a time, but there is multithreading
- * What are your concurrency requirements?

- * What is an example of a unit of work of your application - i.e. transaction?
object represents material types, device types, policy variables (how the system should work).
There is no typical transaction...

* What features of the database are most important?

* Distribution/storage hierarchy?

no

* backup/recovery?

no

* indexes?

no

* schema migration?

yes

* object versioning?

no

* Will you need SQL for reporting?

no

CUSTOMER PROFILES:

* What are the names of the other developers on your team?

2 people from switzerland here temporarily (2/2/98)

* Were you in the decision making process when picking an ODBMS?

No

* How did you decide on our database (Buying Criteria/Why Objectivity)?

I think people here were having problems with threads on Gemstone

* Who were the other vendors you were considering?

Gemstone