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Category	Questions						
Base and External Systems	1). Hardware						
	ERS Anticipated		SUN/IBM or Intel		Sun SPARC	Dell	Sun
	ERS Long-Term			HP	same		Sun
	PPS/PAR		at UCOP	Z890-450	Sun	Dell/IBM mainframe	Hosted @ OP
	PPS/PAR Future		at UCOP	Z890-450			Hosted @ OP
	Financial		SUN	Z890-450	Sun	Dell/IBM mainframe	IBM Mainframe & Sun Servers
	Financial Future		SUN/IBM	Z890-450			IBM Mainframe & Sun Servers
	FAU						
	FAU Future						
	Contracts/Grants		at UCOP	IIS server	Sun	IBM	Sun
	Contracts/Grants Future		PSFT	IIS server		Dell	Sun
	Cost Sharing		N.A.	in dev	Intel	none	Sun
	Cost Sharing Future			dell 2550/ compac 380		Dell	Sun
	2). Operating System						
	ERS Anticipated		UNIX or Windows		Sun Solaris	Windows	Solaris Unix
	ERS Long-Term			windows	same		Solaris Unix
	PPS/PAR		z/OS	os/390 V2.10	Solaris	Windows	Hosted @ OP
	PPS/PAR Future		z/OS	Z/os 1.4			Hosted @ OP
	Financial		UNIX	os/390 v2.10	Solaris	Windows	Z/OS & IBM Unix (USS)/Solaris
	Financial Future		UNIX	Z/os 1.4			Z/OS & IBM Unix (USS)/Solaris
	FAU						
	FAU Future						
	Contracts/Grants		z/OS A21?	windows 2000		AIX	Solaris Unix
	Contracts/Grants Future		UNIX	windows 2000	Solaris	Windows	Solaris Unix
	Cost Sharing			in dev	Windows		Solaris Unix
	Cost Sharing Future			win 2003		Windows	Solaris Unix
	3). AppServer						
	ERS Anticipated		UNIX or Windows		Tomcat	Websphere	Iplanet or Tomcat
	ERS Long-Term			Jboss / Tomcat	same		Iplanet or Tomcat
	PPS/PAR		N.A.	none	N/A	Websphere	Hosted @ OP
	PPS/PAR Future		N.A.	ask UCOP			Hosted @ OP
	Financial		UNIX	websphere (Peoplesoft bundle, can't put apps there)	N/A		WebSphere (not currently in use)/Iplanet/Tomcat

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		Financial Future	UNIX	websphere (Peoplesoft), Jboss for ancillary apps.			WebSphere (not currently in use)/Iplanet/Tomcat
		FAU					
		FAU Future					
		Contracts/Grants	N.A.	oracle VB script/critix			Tomcat
		Contracts/Grants Future	UNIX	oracle	InfoEd		Tomcat
		Cost Sharing		in dev	CFMX		Iplanet
		Cost Sharing Future		oracle/ JBOSS			Iplanet
	4). DBMS						
		ERS Anticipated	Oracle		Oracle	SQL Server	Sybase
		ERS Long-Term		Oracle / DB2	Oracle		Sybase or? Depending upon
		PPS/PAR	DB2	DB2v7	Oracle	SQL Server	DB2
		PPS/PAR Future	DB2	DB2v8			DB2
		Financial	Oracle	BD2v7	Oracle	SQL Server	DB2/Sybase
		Financial Future	Oracle	DB2v8			DB2/??
		FAU					
		FAU Future					
		Contracts/Grants	N.A.	Oracle 9.01.2		Oracle	Oracle/Sybase
		Contracts/Grants Future	Oracle	Oracle-current	??	SQL Server	Oracle/??
		Cost Sharing		in dev	Oracle		Sybase
		Cost Sharing Future		SQL 2000		SQL Server	??
	5). Web Services Exposed						
		ERS Anticipated					
		ERS Long-Term		yes			
		PPS/PAR		no			None
		PPS/PAR Future		ask UCOP			Unknown
		Financial	feasible	no			yes
		Financial Future	possible	yes			yes
		FAU					no
		FAU Future					yes
		Contracts/Grants	feasible	no			no
		Contracts/Grants Future	possible	no			possibly
		Cost Sharing		in dev			no
		Cost Sharing Future		yes			possibly

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	6). JAVA APIs Exposed											
	ERS Anticipated											
	ERS Long-Term					no						
	PPS/PAR					no						None
	PPS/PAR Future					no						Unknown
	Financial		feasible			no						no
	Financial Future		possible			no						yes
	FAU											yes
	FAU Future											yes
	Contracts/Grants		feasible			no						no
	Contracts/Grants Future		possible			no						possibly
	Cost Sharing					in dev						no
	Cost Sharing Future					yes						possibly
	7). JDBC Accessible											
	ERS Anticipated											
	ERS Long-Term					yes						
	PPS/PAR					yes						No
	PPS/PAR Future					yes						Unknown
	Financial		feasible			yes		Yes				yes
	Financial Future		possible			yes						yes
	FAU											
	FAU Future											
	Contracts/Grants		feasible			yes						yes
	Contracts/Grants Future		possible			yes						yes
	Cost Sharing					in dev		Yes				yes
	Cost Sharing Future					yes						yes
	8). HomeGrown / Package											
	ERS Anticipated											
	ERS Long-Term											
	PPS/PAR							Yes		both		
	PPS/PAR Future									both		
	Financial					PeopleSoft 7.02		Yes		both		yes
	Financial Future					PeopleSoft 8.8				both		yes
	FAU											

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		FAU Future								
		Contracts/Grants			package (COEUS)			pkg-COEUS		yes/Coeus
		Contracts/Grants Future			package (COEUS)			pkg -INFOED		yes
		Cost Sharing			in dev	Yes		none		yes
		Cost Sharing Future			home grown			INFOED		yes
Security and Access Control	9). What Software products (if any) are in use for Authentication Services?			none	Please see the following information on our CalNet authentication and directory service at https://calnet.berkeley.edu/	Custom - UCD distauth and kerberos		UCLA has a in-house developed web single sign-on service called ISIS.		Custom SAML based authentication server with a web browser interface, shibboleth interface, and a SOAP interface.
	Comment:									We have successfully used filters with other outside products that we have brought into our environment where we want to use our own authentication. If ERS simply has a defined set of information that it wants to get to in the session filters could be a really good way to go.

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	10). What changes do you anticipate in authentication software between now and the end of 2005?		Kerberos/LDAP (SASL)		none		none		ISIS is being updated, in conjunction with the implementation of the Enterprise Directory to support emerging standard protocols such Shibboleth (Federated authentication, SAML support, attribute query)		We will be moving to common authentication architecture exposing primarily a shibboleth interface.
	Comment:										

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	11). What Software products (if any) are in use for Role Definition? If you have this capability, please discuss grouping capabilities, and java accessibility.		none		none		none		UCLA does not have a textbook "role based" security model for central administrative systems. We do, however, have a in house privilege management system on the mainframe called DACSS. DACSS enabled delegated administration of fine grained authorization policy management. DACSS groups each set of related permissions as a "function". In addition, each user/function pairing can be qualified by a set of constraint values. A user requiring the said permission is granted the "function". For example, a person may be granted the purchase order preparer function, but only for 1 particular account in the chemistry department with the purchasing limit of \$5000. This authorization policy data is available in the campus data warehouse. A Java application can query the data warehouse database (MS SQL Server) to retrieve that data.		We have a centralized role system in development that is developed in java and utilized a web interface along with interfaces to our existing business systems to administer roles, capabilities and contexts. This system is fully accessible using a SOAP web services interface.

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	Comment:											Here also filters could be the way to go. If ERS is looking for certain information in the session then a filter provided by the campus could supply that information.
	12). What changes do you anticipate in Role Definition software between now and the end of 2005?		LDAP, possibly		none we have requested funding to launch a roles project but its not funded as of yet		developing a custom system		We intend to generalize DACSS to support arbitrary applications beyond the mainframe. Specifically, we are working with the Internet2 Middleware group to determine if Signet, an Internet2 Privilege Management Project, is a suitable solution. The decision to implement will happen in 2005. The actual implementation, if it happens, should be sometime in 2006		We expect to go from development to production for the core key role infrastructure.	
	Comment:											

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	13). What capabilities exist in your security management software for restricting access based on data values (i.e. This role may only update data for department x, but may read data for departments x and y)?		none			We don't have Security Management Software, although some projects may use Oracle VPD for something along these lines				See 11. DACSS has that capability today, but only for the constraint types it is aware of (campus units, FAU, major). Signet (see 12) has a more flexible model which provides much better scaling possibilities.		A role is made up of capabilities, contexts and people. Capabilities (update, read...) are tied to specific contexts for specific people.
	Comment:							our financial system provides this type of facility but not as a generic api.				
	14). What changes do you anticipate in data value restriction capability in your security management software between now and the end of 2005?		none			none				See 11, 12, and 13		None
	Comment:											

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	15). Is LDAP available for Authentication Services?		No			The CalNet LDAP directory is not available for Authentication Services at this time.		no		Not for web applications. We do not allow web applications to intercept user ID and passwords directly. LDAP authn would require a web application to capture user id/password in order to present it to a LDAP server. Web applications need to redirect user authentication requests to ISIS.		No
	Comment:					At present, too many clients use insecure methods to authenticate via LDAP resulting in cleartext transmission of ldap passwords.						
	16). What changes do you anticipate in LDAP Authentication Services availability between now and the end of 2005?		planned for summer 2005			none				None. We do not allow web applications to prompt for user ID/passwords directly.		None
	Comment:							certificates would be nice.				
	17). Is LDAP available for Role Based Authorization?		No			yes		not currently.		Not today.		No
	Comment:											

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	18). What changes do you anticipate in LDAP Role Based Authorization availability between now and the end of 2005?					none		unknown		We intend to support attribute queries (use roles and entitlements) via the Shibboleth protocol.		None
	Comment:											
	19). Is LDAP available for Data Value Based Authorization?		No			yes		very roughly		No.		No
	Comment:											
	20). What changes do you anticipate in LDAP Value Based Authorization availability between now and the end of 2005?					none		unknown		No. We do not intend to offer direct LDAP access to web applications. Access to any authorization data will be through some form of web service API.		None
	Comment:											

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	<p>21). Does your campus have a plan for Comprehensive Security and Access Control (Authentication, Authorization Roles, Data Value Authorization) that is scheduled to become available between now and the end of 2005?</p>											
			Yes			No comprehensive plan that can be completed prior to ERS delivery. Several of our enterprise systems do, however, use CalNet for user authentication (e.g PeopleSoft applications, Cost Sharing and others).		not that I know of.		Yes. We already have a web single sign-on service. By the end of 2005, we will have a production enterprise directory and a production Shibboleth service to offer some level of role/entitlement/group based authorization. Fine grained data value based authorization will be supported (with limitations) via DACSS in the meantime. We intend to move to a more generalized authorization management model beginning in late 2005 (Signet?). As an industry standard authorization decision model emerge, we will move to adopt. We do not expect this standard to mature till 2006 and later.		

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	Comment:											
						Berkeley is expanding a home-grown system called "Global Login", which uses allows users or their managers to request access to enterprise systems and then uses workflow to handle the dept. approvals and delivery of the request to security officers. We can provide a detailed profile of this system, if needed.						
Remote Synchronous Access to External Systems	22). Of the three access mechanisms (Web Services, Java API, Direct JDBC Access), what is the anticipated mechanism for access to external systems at your campus?			Web Services		If the delivery date is sooner rather than later, the safest bet will be JDBC. Ultimately a web services model would make sense.		web services		Web Services for non-transactional and loosely transactional access with relatively small data volume. For large data volume (MB's per transaction, some form of batch may be preferable). Any form of JAVA API is out of the question. Not everyone runs on Java.		Web Services
	Comment:											

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	23). Of the two approaches (batch mode extract / real-time access in place), which approach do you anticipate will be taken on your campus?		batch		batch, but hopefully real-time at some point		batch		Our estimate is based on batch interfaces. We will replace with real-time access if required.		A combination. Systems that have point in time capability like our chart of accounts (FAU) I expect we might do real-time access. Systems that do not have good point in time capability, cost sharing and possibly contracts and grants I would anticipate a batch mode interface.
	Comment:										
Email Notification	24). Does your campus limit the capability of software to generate email to campus email addresses?		No		no		no		At our SMTP gateway we filter for viruses. The departments set there own standards on their mail servers for filtering or limiting access.		No
	Comment:										

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	25). How should software generated email content be composed in order to not trigger Spam Filtering?		We can work with our people		use an identifiable X-Header so we can filter				We've talked about but haven't implemented putting some type of tag in the header although this looks impossible to do with our mainframe mail system. Try not to depend on email as your only mean of notification. We don't control the individuals SPAM filters. We can't anticipate what each person might do with their own SPAM filter software.		UCSD uses SpamAssasin which merely assigns a score to each piece of email and then the clients decide what to filter. Usually folks accept mail from another @ucsd email address.
	Comment:										
	26). Does your campus anticipate changes in spam management between now and the end of 2005 that would impact software-generated email		Can't anticipate this yet.		Currently labeling spam upon receipted with vendor software. In the future if the spam is rated at a certain percent, probably, 70%, it will not be delivered via the central email service supported by IST		no		See above. I'm sure we'll have changes between now and the end of 2005 but I don't know what they will be.		No
	Comment:										

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Portal Technology	27). What Portal products or protocols are in use at your campus (if any).		none			Uportal for learning community under development, PeopleSoft enterprise portal for business portal, in production. We envision delivering ERS thru a portal. FYI, Uportal integration information: http://www.uportal.org/faq.html#2_6 Peoplesoft Portal uses portlets and more information can be provided upon request.		custom - myucdavis		UCLA is in the process of deploying Vignette Portal as its administrative portal. There are other portal productions used on campus. If ERP is a Java app and it expects to support usage within a portal, JSR 168 compliance is a must. WSRP compliance is also a good thing.		Vignette
	Comment:											
	28). What HTML (or xhtml or xml with xslt transforms) restrictions should be observed in page design in order to ease the customization for your portal environment?					as long as you adhere to industry-standard best-practices, should be OK		unknown		don't know.		
	Comment:											

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Academic Period	29). What is the Academic Period of your campus?		Quarter			Semester System - http://opa.vcbf.berkeley.edu/AcademicCalendar/calendar.cfm -- payroll calendar: http://efafs.vcbf.berkeley.edu/PARS/PARS.pdf		semesters for law school, quarters for others		UCLA is quarter based for undergrad and most graduate programs. Some professional schools, however, are semester based. Each has slightly varying schedule.		Quarters
	Comment:							and 2 or 3 summer				
Presentation Strategy	30). What is your campus strategic direction for J2EE presentation layer? (Struts flow control, Struts custom jsp tags, XML/XSLT server transform, XML/XSLT browser transform, Velocity Templates, Tiles Templates, Java Server Faces, etc.)		No strategy at this point.			We are open to many of the approaches named, anything you choose in the Jakarta universe will likely be a good fit.		unknown		No strategy at this time. However, this will be maintained by our payroll group, so similarity to existing distributed platform applications (Web Merit, Web EDB etc. would be a plus)		XML/XSLT server transformation