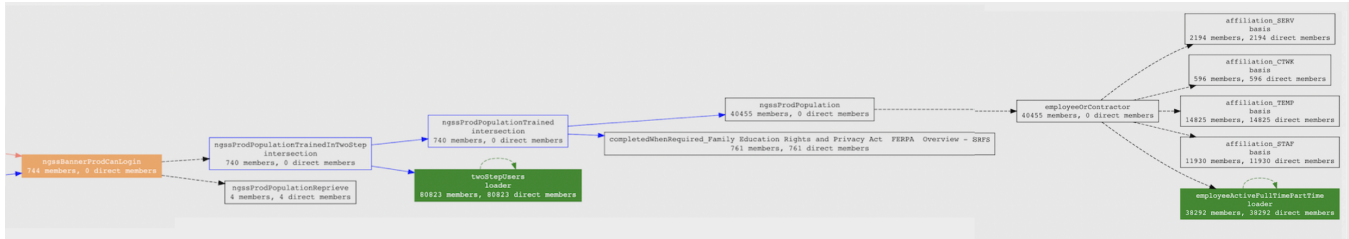


Grouper Custom UI example Banner access

This screen allows admins to analyze an end-user's access to Banner, and allows end users to get a detailed analysis of their issues. The IdP sends users to this screen if they are rejected from coarse grained-authorization.



The access policy is: you can login to Banner (you are eligible) if you

1. Have a reprieve (be default those are end-dated a week after creation)
2. or You are
 - a. Trained in FERPA in the last year
 - b. Enrolled in MFA
 - c. Are an employee

Note: we also load a group of people who have Banner accounts and list that on the screen too

Note: it can take 30 minutes for access to be provisioned to the IdP, this is captured too

User conditions

Ready for Banner



Logged in as Chris Hyzer · [Log out](#) · [Help](#)

Prod Banner account analysis

You are eligible to use production Banner. You have been eligible for more than 30 minutes, so Weblogin should allow you through to production Banner. You have a Banner account. You are enrolled in Two-Step Verification. You are an active employee. You are trained in FERPA. Your FERPA end date is 2020/11/04 07:45. Be sure to [take the FERPA training again](#) a few days before that date.

Banner status: Can use Banner in production

Access pending for IdP provisioning



Logged in as Chris Hyzer · [Log out](#) · [Help](#)

Prod Banner account analysis

You are eligible to use production Banner. **You have been eligible for fewer than 30 minutes so you will have to wait for your Weblogin Banner access. Try again soon.** You have a Banner account. You are enrolled in Two-Step Verification. You are an active employee. You are trained in FERPA. Your FERPA end date is 2020/11/04 07:45. Be sure to [take the FERPA training again](#) a few days before that date.

Banner status: Pending: access should work in less than 30 minutes, try again soon

Needs FERPA training



Logged in as Chris Hyzer · [Log out](#) · [Help](#)

Prod Banner account analysis

You are not eligible to use production Banner. You have a Banner account. You are enrolled in Two-Step Verification. You are an active employee. **You are required to take [FERPA training](#).** Your FERPA end date is 2020/05/04 07:45. Be sure to [take the FERPA training again](#) a few days before that date.

Banner status: You have a banner account but you are not eligible

Missing valid employee records



Logged in as Chris Hyzer · [Log out](#) · [Help](#)

Prod Banner account analysis

You are not eligible to use production Banner. You have a Banner account. You are enrolled in Two-Step Verification. Your data does not reflect that you are an active employee. Your employment record ends on 2020/06/03 11:52. If you need Banner access after that date be sure to coordinate with your Business Administrator.. You are trained in FERPA. Your FERPA end date is 2020/11/04 07:45. Be sure to [take the FERPA training again](#) a few days before that date..

Banner status: You have a banner account but you are not eligible

Not in MFA



Logged in as Chris Hyzer · [Log out](#) · [Help](#)

Prod Banner account analysis

You are not eligible to use production Banner. You have a Banner account. You are not enrolled in Two-Step Verification, please [enroll](#). You are an active employee. You are trained in FERPA. Your FERPA end date is 2020/11/04 07:45. Be sure to [take the FERPA training again](#) before that date.

Banner status: You have a banner account but you are not eligible

No banner account



Logged in as Chris Hyzer · [Log out](#) · [Help](#)

Prod Banner account analysis

You are eligible to use production Banner. You have been eligible for more than 30 minutes, so Weblogin should allow you through to production Banner. You do not have a Banner account. You are enrolled in Two-Step Verification. You are an active employee. You are trained in FERPA. Your FERPA end date is 2020/11/04 07:45. Be sure to [take the FERPA training again](#) before that date.

Banner status: You are eligible to use Banner but you do not have a Banner account

Not eligible and no account



Logged in as Chris Hyzer · [Log out](#) · [Help](#)

Prod Banner account analysis

You are not eligible to use production Banner. You do not have a Banner account. You are not enrolled in Two-Step Verification, please [enroll](#). Your data does not reflect that you are an active employee. You are required to take [FERPA training](#). Your FERPA end date is 2020/05/04 07:45. Be sure to [take the FERPA training again](#) before that date.

Banner status: You are not eligible to use Bannner and you do not have an account

What an access manager sees

Prod Banner account analysis

Search for a person to analyze their Prod Banner status

Person name or ID: Katherine R Wilson (kwilso, 89505485) (active) Staff - Isc-applications & Information Services - I
Enter an entity name or ID

Select user

You are eligible to use production Banner. You have been eligible for more than 30 minutes, so Weblogin should allow you through to production Banner. **You do not have a Banner account.** You are enrolled in Two-Step Verification. You are an active employee. You are trained in FERPA. Your FERPA end date is 2021/01/01 10:09. Be sure to [take the FERPA training again](#) before that date.

Banner status: You are eligible to use Banner but you do not have a Banner account

User environment

Environment	Result	Description
Person	Katherine R Wilson (kwilso, 89505485) (active) Staff - Isc-applications & Information Services - Business Systems Analyst Senior	Query: select description from PCADMIN.computed_person cp where cp.char_PENN_ID = ?
Eligible for 30 min (provisioned to weblogin)	Yes	Query: select case when is_user_for_30_min = 'T' then 1 else 0 end as the_result from penn_custom_ui_mships_v where group_name in ('penn:isc:ait:apps:ngss:environments:prod:banner:population:ngssBannerProdCanLogin') and subject_source_id = 'pennperson' and subject_id = ?
Eligible (active employee, trained, two-step, or reprieved)	Yes	Member of group ngssBannerProdCanLogin
Eligibility analysis	User has been in group ngssBannerProdCanLogin since 2020/01/03 08:17 and is provisioned to WebLogin.	Query: select mship_shib_desc from penn_custom_ui_mships_v where group_name = 'penn:isc:ait:apps:ngss:environments:prod:banner:population:ngssBannerProdCanLogin' and subject_source_id = 'pennperson' and subject_id = ?
Reprieved (exempt from eligibility requirements)	No	Member of group ngssProdPopulationReprieve
Reprieve end date	<blank>	Query: select disabled_time from penn_imm_mship_disabled_date_v where group_name = 'penn:isc:ait:apps:ngss:environments:prod:banner:population:ngssProdPopulationReprieve' and subject_source_id = 'pennperson' and subject_id = ?
Reprieve analysis	User has never been in group ngssProdPopulationReprieve	Query: select mship_desc from penn_custom_ui_mships_v where group_name = 'penn:isc:ait:apps:ngss:environments:prod:banner:population:ngssProdPopulationReprieve' and subject_source_id = 'pennperson' and subject_id = ?
Latest reprieve audit	<blank>	Query: select 'The last reprieve was assigned by ' user_using_grouper_name ' on ' to_char(the_timestamp, 'YYYY/MM/DD HH24:MI') as reprieve_audit from penn_audit_add_membership_help_v paamv1 where group_name = 'penn:isc:ait:apps:ngss:environments:prod:banner:population:ngssProdPopulationReprieve' and user_acted_on_subject_id = ? and user_acted_on_subject_source_id = 'pennperson' and paamv1.the_timestamp = (select max(paamv2.the_timestamp) from penn_audit_add_membership_help_v paamv2 where paamv1.group_name = paamv2.group_name and paamv1.user_acted_on_member_id = paamv2.user_acted_on_member_id) limit 1
Has Banner account	No	Member of group ngssProdHasBannerAccount
Banner account analysis	User has never been in group ngssProdHasBannerAccount	Query: select mship_desc from penn_custom_ui_mships_v where group_name = 'penn:isc:ait:apps:ngss:environments:prod:banner:users:ngssProdHasBannerAccount' and subject_source_id = 'pennperson' and subject_id = ?
Two-Step Verification	Yes	Member of group twoStepUsers
Active employee	Yes	Member of group ngssProdPopulation
Active employee analysis	User has been in group ngssProdPopulation since 2019/09/24 16:00	Query: select mship_desc from penn_custom_ui_mships_v where group_name = 'penn:isc:ait:apps:ngss:environments:prod:banner:population:ngssProdPopulation' and subject_source_id = 'pennperson' and subject_id = ?
Employee end date	<blank>	Query: select expire_message from employee_affil_expire_date_v where penn_id = ?
FERPA trained	Yes	Member of group completedWhenRequired_Family Education Rights and Privacy Act FERPA Overview - SRFS
FERPA analysis	User has been in group UP_87024_ITEM_FERPA001 since 2020/01/03 08:17	Query: select mship_desc from penn_custom_ui_mships_v where group_name = 'penn:isc:ait:apps:knowledgeLink:completedWhenRequired:UP_87024_ITEM_FERPA001' and subject_source_id = 'pennperson' and subject_id = ?
FERPA expire date	2021/01/01 10:09	Query: select to_char(max(end_date), 'YYYY/MM/DD HH24:MI') as the_end_date from AUTHZ_KL_COURSEYR_EXPIRE_V where penn_id = ? and item_id = 'UP:87024.ITEM.FERPA001'

What a Grouper Admin sees



Prod Banner account analysis

Search for a person to analyze their Prod Banner status

Person name or ID:

Enter an entity name or ID

Select user

You are eligible to use production Banner. You have been eligible for more than 30 minutes, so Weblogin should allow you through to production Banner. **You have an eligibility reprieve that ends on 2020/07/31 02:02. You do not have a Banner account.** You are enrolled in Two-Step Verification. You are an active employee. **You are required to take [FERPA training](#).** Your FERPA end date is 2020/07/18 14:42. Be sure to [take the FERPA training again](#) before that date.

Banner status: You are eligible to use Banner but you do not have a Banner account

User environment

Environment	Result	Description	Variable name	Type	Operation	For logged in user
Person	Chris Hyzer (mchyzer, 10021368) (active) Staff - Isc-applications & Information Services - Application Architect (also: Alumni,Courtesy)	Query: select description from PCADMIN.computed_person cp where cp.char_PENN_ID = ?	cu_bannerProdPersonDescription	string	SQL	No
Eligible for 30 min (provisioned to weblogin)	Yes	Query: select case when is_user_for_30_min = 'T' then 1 else 0 end as the_result from penn_custom_ui_mships_v where group_name in ('penn.isc.ait.apps.ngss.environments.prod.banner.population.ngssBannerProdCanLogin') and subject_source_id = 'pennperson' and subject_id = ?	cu_bannerProdEligible30min	boolean	SQL	No
Eligible (active employee, trained, two-step, or	Yes	Member of group ngssBannerProdCanLogin	cu_bannerProdEligible	boolean	Grouper	No

Eligibility analysis	User has been in group ngssBannerProdCanLogin since 2020/07/24 02:02 and is provisioned to WebLogin.	Query: select mship_desc from penn_custom_ui_mships_v where group_name = 'penn:isc:ait:apps:ngss:environments:prod:banner:population:ngssBannerProdCanLogin' and subject_source_id = 'pennperson' and subject_id = ?	cu_bannerProdEligibleAnalysis	string	SQL	No
Reprieved (exempt from eligibility requirements)	Yes	Member of group ngssProdPopulationReprieve	cu_bannerProdReprieved	boolean	Grouper	No
Reprieve end date	2020/07/31 02:02	Query: select disabled_time from penn_imm_mship_disabled_date_v where group_name = 'penn:isc:ait:apps:ngss:environments:prod:banner:population:ngssProdPopulationReprieve' and subject_source_id = 'pennperson' and subject_id = ?	cu_bannerProdReprieveEnd	string	SQL	No
Reprieve analysis	User has been in group ngssProdPopulationReprieve since 2020/07/24 02:02	Query: select mship_desc from penn_custom_ui_mships_v where group_name = 'penn:isc:ait:apps:ngss:environments:prod:banner:population:ngssProdPopulationReprieve' and subject_source_id = 'pennperson' and subject_id = ?	cu_bannerProdReprieveAnalysis	string	SQL	No
Latest reprieve audit	The last reprieve was assigned by Chris Hyzer on 2020/07/24 02:02	Query: select 'The last reprieve was assigned by ' user_using_grouper_name ' on ' to_char(the_timestamp, 'YYYY/MM/DD HH24.MI') as reprieve_audit from penn_audit_add_membership_help_v paamv1 where group_name = 'penn:isc:ait:apps:ngss:environments:prod:banner:population:ngssProdPopulationReprieve' and user_acted_on_subject_id = ? and user_acted_on_subject_source_id = 'pennperson' and paamv1.the_timestamp = (select max(paamv2.the_timestamp) from penn_audit_add_membership_help_v paamv2 where paamv1.group_name = paamv2.group_name and paamv1.user_acted_on_member_id = paamv2.user_acted_on_member_id) limit 1	cu_bannerProdReprieveLastAudit	string	SQL	No
Has Banner account	No	Member of group ngssProdHasBannerAccount	cu_bannerProdHasAccount	boolean	Grouper	No
Banner account analysis	User has never been in group ngssProdHasBannerAccount	Query: select mship_desc from penn_custom_ui_mships_v where group_name = 'penn:isc:ait:apps:ngss:environments:prod:banner:users:ngssProdHasBannerAccount' and subject_source_id = 'pennperson' and subject_id = ?	cu_bannerProdHasAccountAnalysis	string	SQL	No
Two-Step Verification	Yes	Member of group twoStepUsers	cu_twoStepUsers	boolean	Grouper	No
Active employee	Yes	Member of group ngssProdPopulation	cu_bannerProdActiveEmployee	boolean	Grouper	No
Active employee analysis	User has been in group ngssProdPopulation since 2019/09/24 16:00	Query: select mship_desc from penn_custom_ui_mships_v where group_name = 'penn:isc:ait:apps:ngss:environments:prod:banner:population:ngssProdPopulation' and subject_source_id = 'pennperson' and subject_id = ?	cu_bannerProdActiveEmployeeAnalysis	string	SQL	No
Employee end date	<blank>	Query: select expire_message from employee_affil_expire_date_v where penn_id = ?	cu_bannerProdActiveEmployeeEndDate	string	SQL	No
FERPA trained	No	Member of group completedWhenRequired_Family Education Rights and Privacy Act FERPA Overview - SRFS	cu_bannerProdFerpa	boolean	Grouper	No
FERPA analysis	User was in group UP_87024_ITEM_FERPA001 until 2020/07/19 05:17	Query: select mship_desc from penn_custom_ui_mships_v where group_name = 'penn:isc:ait:apps:knowledgeLink:completedWhenRequired:UP_87024_ITEM_FERPA001' and subject_source_id = 'pennperson' and subject_id = ?	cu_bannerProdFerpaAnalysis	string	SQL	No

FERPA expire date	2020/07/18 14:42	Query: select to_char(max(end_date), 'YYYY/MM/DD HH24:MI') as the_end_date from AUTHZ_KL_COURSEYR_EXPIRE_V where penn_id = ? and item_id = 'UP.87024.ITEM.FERPA001'	cu_bannerProdFerpaEndDate	string	SQL	No
Allowed to view other users	Yes	Member of group prodBannerAdmin	cu_bannerProdAllowedToManage	boolean	Grouper	Yes

Screen state

Text type	Rule index	Expression	Configured text	Evaluated text
canAssignVariables	0		\${cu_bannerProdAllowedToManage}	true
canSeeScreenState	0		false	false
helpLink				
header	10		\${textContainer.text['penn_bannerprod_header']}	Prod Banner account analysis
managerInstructions	10		\${textContainer.text['penn_bannerprod_managerInstructions']}	Search for a person to analyze their Prod Banner status
instructions1	0	\${ cu_bannerProdEligible }	\${textContainer.text['penn_bannerProd_instructions_eligible']}	You are eligible to use production Banner.
instructions1	20	\${ cu_bannerProdEligible && cu_bannerProdEligible30min }	\${textContainer.text['penn_bannerProd_instructions_eligible30']}	You have been eligible for more than 30 minutes, so Weblogin should allow you through to production Banner.
instructions1	50	\${ cu_bannerProdReprieved && cu_bannerProdReprieveEnd != null }	\${textContainer.text['penn_bannerProd_instructions_reprievedEnd']}	<b style="color: brown">You have an eligibility reprieve that ends on 2020/07/31 02:02.
instructions1	70	\${ ! cu_bannerProdHasAccount }	\${textContainer.text['penn_bannerProd_instructions_bannerNoAccount']}	<b style="color: brown">You do not have a Banner account.
instructions1	80	\${ cu_twoStepUsers }	\${textContainer.text['penn_bannerProd_instructions_twoStep']}	You are enrolled in Two-Step Verification.
instructions1	100	\${ cu_bannerProdActiveEmployee }	\${textContainer.text['penn_bannerProd_instructions_activeEmployee']}	You are an active employee.
instructions1	140	\${ ! cu_bannerProdFerpa }	\${textContainer.text['penn_bannerProd_instructions_noFerpa']}	<b style="color: brown">You are required to take FERPA training..
instructions1	150	\${ cu_bannerProdFerpaEndDate != null }	\${textContainer.text['penn_bannerProd_instructions_ferpaEndDate']}	Your FERPA end date is 2020/07/18 14:42. Be sure to take the FERPA training again before that date.
instructions1	160	true	 	
enrollmentLabel	20	\${cu_bannerProdEligible && !cu_bannerProdHasAccount}	\${textContainer.text['penn_bannerProd_enrollLabel_noAccountInBanner']}	Banner status: <b style="color: brown">You are eligible to use Banner but you do not have a Banner account

enrollButtonShow	0	false	false
unenrollButtonShow	0	false	false
canSeeUserEnvironment	0	{cu_bannerProdAllowedToManage}	true

All screen text

Text type	Rule index	Expression	Expression result	Configured text	Evaluated text	Default	End if matches
canSeeUserEnvironment	0		Yes	{cu_bannerProdAllowedToManage}	true	Yes	
canSeeScreenState	0		Yes	false	false	Yes	
canAssignVariables	0		Yes	{cu_bannerProdAllowedToManage}	true	Yes	
instructions1	0	{ cu_bannerProdEligible }	Yes	{textContainer.text[penn_bannerProd_instructions_eligible]}	You are eligible to use production Banner.		
instructions1	10	{ ! cu_bannerProdEligible }	No	{textContainer.text[penn_bannerProd_instructions_ineligible]}	<b style="color: brown">You are not eligible to use production Banner. 		
instructions1	20	{ cu_bannerProdEligible && cu_bannerProdEligible30min }	Yes	{textContainer.text[penn_bannerProd_instructions_eligible30']}	You have been eligible for more than 30 minutes, so Weblogin should allow you through to production Banner.		
instructions1	30	{ cu_bannerProdEligible && !cu_bannerProdEligible30min }	No	{textContainer.text[penn_bannerProd_instructions_eligibleNot30']}	<b style="color: brown">You have been eligible for fewer than 30 minutes so you will have to wait for your Weblogin Banner access. Try again soon. 		
instructions1	40	{ cu_bannerProdReprieved && cu_bannerProdReprieveEnd == null }	No	{textContainer.text[penn_bannerProd_instructions_reprievedNoEnd]}	You have an eligibility reprieve with no end date.		
instructions1	50	{ cu_bannerProdReprieved && cu_bannerProdReprieveEnd != null }	Yes	{textContainer.text[penn_bannerProd_instructions_reprievedEnd]}	<b style="color: brown">You have an eligibility reprieve that ends on 2020/07/31 02:02. 		
instructions1	60	{ cu_bannerProdHasAccount }	No	{textContainer.text[penn_bannerProd_instructions_bannerAccount]}	You have a Banner account.		
instructions1	70	{ ! cu_bannerProdHasAccount }	Yes	{textContainer.text[penn_bannerProd_instructions_bannerNoAccount]}	<b style="color: brown">You do not have a Banner account. 		
instructions1	80	{ cu_twoStepUsers }	Yes	{textContainer.text[penn_bannerProd_instructions_twoStep]}	You are enrolled in Two-Step Verification.		
instructions1	90	{ ! cu_twoStepUsers }	No	{textContainer.text[penn_bannerProd_instructions_noTwoStep]}	<b style="color: brown">You are not enrolled in Two-Step Verification, please enroll. 		
instructions1	100	{ cu_bannerProdActiveEmployee }	Yes	{textContainer.text[penn_bannerProd_instructions_activeEmployee]}	You are an active employee.		
instructions1	110	{ ! cu_bannerProdActiveEmployee }	No	{textContainer.text[penn_bannerProd_instructions_notActiveEmployee]}	<b style="color: brown">Your data does not reflect that you are an active employee. 		
instructions1	120	{ cu_bannerProdActiveEmployeeEndDate != null }	No	{textContainer.text[penn_bannerProd_instructions_activeEmployeeEndDate]}	<b style="color: brown">Your employment record ends on . If you need Banner access after that date be sure to coordinate with your Business Administrator. .		
instructions1	130	{ cu_bannerProdFerpa }	No	{textContainer.text[penn_bannerProd_instructions_ferpa]}	You are trained in FERPA.		
instructions1	140	{ ! cu_bannerProdFerpa }	Yes	{textContainer.text[penn_bannerProd_instructions_noFerpa]}	<b style="color: brown">You are required to take FERPA training. .		
instructions1	150	{ cu_bannerProdFerpaEndDate != null }	Yes	{textContainer.text[penn_bannerProd_instructions_ferpaEndDate]}	Your FERPA end date is 2020/07/18 14:42. Be sure to take the FERPA training again before that date.		
instructions1	160	true	Yes	 	 		
enrollmentLabel	0	{cu_bannerProdEligible && cu_bannerProdEligible30min && cu_bannerProdHasAccount}	No	{textContainer.text[penn_bannerProd_enrollLabel_canUserBanner]}	Banner status: <b style="color: green">Can use Banner in production	Yes	
enrollmentLabel	10	{cu_bannerProdEligible && !cu_bannerProdEligible30min && cu_bannerProdHasAccount}	No	{textContainer.text[penn_bannerProd_enrollLabel_pendingToUseBanner]}	Banner status: <b style="color: brown">Pending: access should work in less than 30 minutes, try again soon	Yes	
enrollmentLabel	20	{cu_bannerProdEligible && !cu_bannerProdHasAccount}	Yes	{textContainer.text[penn_bannerProd_enrollLabel_noAccountInBanner]}	Banner status: <b style="color: brown">You are eligible to use Banner but you do not have a Banner account	Yes	
enrollmentLabel	30	{!cu_bannerProdEligible30min && cu_bannerProdHasAccount}	No	{textContainer.text[penn_bannerProd_enrollLabel_cannotUseBanner]}	Banner status: <b style="color: brown">You have a banner account but you are not eligible	Yes	

enrollmentLabel	40	Yes	\$(textContainer.text['penn_bannerProd_enrollLabel_cantAndNoAccount'])	Banner status: <b style="color: brown">You are not eligible to use Banner and you do not have an account	Yes	Yes
enrollButtonShow	0	Yes	false	false		Yes
unenrollButtonShow	0	Yes	false	false		Yes

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Testing the screen

We have a group of admins

```
penn:isc:ait:apps:ngss:environments:prod:banner:prodBannerAdmin
```

Those admins are in READ/UPDATE on the custom UI group (so they can pull up a user and see their state)

This variable assigns that fact to cu_bannerProdAllowedToManage

```
{
  "variableToAssign": "cu_bannerProdAllowedToManage",
  "fieldNames": "members",
  "userQueryType": "grouper",
  "variableType": "boolean",
  "groupName": "penn:isc:ait:apps:ngss:environments:prod:banner:prodBannerAdmin",
  "label": "${textContainer.text['penn_bannerProd_cu_bannerProdAllowedToManage']}",
  "order": 120,
  "forLoggedInUser": true
}
```

This config means people who are admins can assign variables to the URL to test

```
{
  "endIfMatches": true,
  "customUiTextType": "canAssignVariables",
  "index": 0,
  "text": "${cu_bannerProdAllowedToManage}"
}
```

This is an example URL to test with

```
https://grouper.url.school.edu/grouper/grouperUi/app/UiV2Main.indexCustomUi?operation=UiV2CustomUi.
customUiGroup&groupId=abc123abc123abc123&cu_o365twoStepAllowedToManage=false&cu_grouperTurnOffManager=true&cu_ba
nnerProdEligible30min=false&cu_bannerProdEligible=false&cu_bannerProdReprieved=false&cu_bannerProdHasAccount=tru
e&cu_twoStepUsers=true&cu_bannerProdActiveEmployee=true&cu_bannerProdFerpa=false&cu_bannerProdFerpaEndDate=2020
/05/04%2007:45
```

Helper views

There are some views needed. Penn is on Grouper 2.4. There is a Jira to add these to Grouper in a database agnostic way. Until then you could add these in your database if you want to use them sooner

 GRP-2902 - Unable to connect to site specified: [Ljava.lang.Object;
@44b02f92.

Membership analysis

Before this new feature, each group membership was just shown as a boolean. Now using a SQL query and one of the new views, you can see if the user is in the group and when that started, if the user is not in the group and when it ended, or if the user was never in the group. This is generally for the admins to use for troubleshooting unless the "user state" table is viewable by end users. Note if you have some provisioning information (e.g. 30 minutes until IDP provisioning), you could have a custom view for that

Reprieve analysis	User has been in group ngssProdPopulationReprieve since 2020/07/24 02:02	Query: select mship_desc from penn_custom_ui_mships_v where group_name = 'penn:isc:ait:apps:ngss:environments:prod:banner:population:ngssProdPopulationReprieve' and subject_source_id = 'pennperson' and subject_id = ?
Banner account analysis	User has never been in group ngssProdHasBannerAccount	Query: select mship_desc from penn_custom_ui_mships_v where group_name = 'penn:isc:ait:apps:ngss:environments:prod:banner:users:ngssProdHasBannerAccount' and subject_source_id = 'pennperson' and subject_id = ?
FERPA analysis	User was in group UP_87024_ITEM_FERPA001 until 2020/07/19 05:17	Query: select mship_desc from penn_custom_ui_mships_v where group_name = 'penn:isc:ait:apps:knowledgeLink:completedWhenRequired:UP_87024_ITEM_FERPA001' and subject_source_id = 'pennperson' and subject_id = ?

Immediate membership end date

If there is a reprieve, that is an immediate membership with an end date. That end date is useful for users and admins to know

Reprieve end date	2020/07/31 02:02	Query: select disabled_time from penn_imm_mship_disabled_date_v where group_name = 'penn:isc:ait:apps:ngss:environments:prod:banner:population:ngssProdPopulationReprieve' and subject_source_id = 'pennperson' and subject_id = ?
-------------------	------------------	--

Last audit

For ad hoc groups it might be useful to display the last audit for that record.

Latest reprieve audit	The last reprieve was assigned by Chris Hyzer on 2020/07/24 02:02	Query: select 'The last reprieve was assigned by ' user_using_grouper_name ' on ' to_char(the_timestamp, 'YYYY/MM/DD HH24:MI') as reprieve_audit from penn_audit_add_membership_help_v paamv1 where group_name = 'penn:isc:ait:apps:ngss:environments:prod:banner:population:ngssProdPopulationReprieve' and user_acted_on_subject_id = ? and user_acted_on_subject_source_id = 'pennperson' and paamv1.the_timestamp = (select max(paamv2.the_timestamp) from penn_audit_add_membership_help_v paamv2 where paamv1.group_name = paamv2.group_name and paamv1.user_acted_on_member_id = paamv2.user_acted_on_member_id) limit 1
-----------------------	---	---

Point in time for provisioning

If the provisioning delay is known or estimated, then a variable can be assigned with a good estimate for if provisioning has occurred (i.e. if the user has been in the group for a minimum of X amount of time).

Eligible for 30 min (provisioned to weblogin)	Yes	Query: select case when is_user_for_30_min = 'T' then 1 else 0 end as the_result from penn_custom_ui_mships_v where group_name in ('penn:isc:ait:apps:ngss:environments:prod:banner:population:ngssBannerProdCanLogin') and subject_source_id = 'pennperson' and subject_id = ?
---	-----	---

User query config beans

These are stored in attribute values on the custom UI group

```
{
  "variableToAssign": "cu_bannerProdPersonDescription",
  "bindVar0": "${subject.id}",
  "userQueryType": "sql",
  "variableType": "string",
  "configId": "pennCommunity",
  "bindVar0type": "string",
  "query": "select description from PCADMIN.computed_person cp where cp.char_PENN_ID = ?",
  "label": "${textContainer.text['penn_bannerProd_cu_bannerProdPersonDescription']}",
  "order": 10
}
```

```

}

{
  "variableToAssign": "cu_bannerProdEligible30min",
  "bindVar0": "${subject.id}",
  "userQueryType": "sql",
  "variableType": "boolean",
  "configId": "grouper",
  "bindVar0type": "string",
  "query": "select case when is_user_for_30_min = 'T' then 1 else 0 end as the_result from
penn_custom_ui_mships_v where group_name in ('penn:isc:ait:apps:ngss:environments:prod:banner:population:
ngssBannerProdCanLogin' ) and subject_source_id = 'pennperson' and subject_id = ?",
  "label": "${textContainer.text['penn_bannerProd_cu_bannerProdEligible30min']}",
  "order": 20
}

{
  "variableToAssign": "cu_bannerProdEligible",
  "fieldNames": "members",
  "userQueryType": "grouper",
  "variableType": "boolean",
  "groupName": "penn:isc:ait:apps:ngss:environments:prod:banner:population:ngssBannerProdCanLogin",
  "label": "${textContainer.text['penn_bannerProd_cu_bannerProdEligible']}",
  "order": 30
}

{
  "variableToAssign": "cu_bannerProdEligibleAnalysis",
  "bindVar0": "${subject.id}",
  "userQueryType": "sql",
  "variableType": "string",
  "configId": "grouper",
  "bindVar0type": "string",
  "query": "select mship_shib_desc from penn_custom_ui_mships_v where group_name = 'penn:isc:ait:apps:ngss:
environments:prod:banner:population:ngssBannerProdCanLogin' and subject_source_id = 'pennperson' and subject_id
= ?",
  "label": "${textContainer.text['penn_bannerProd_cu_bannerProdEligibleAnalysis']}",
  "order": 35
}

{
  "variableToAssign": "cu_bannerProdReprieved",
  "fieldNames": "members",
  "userQueryType": "grouper",
  "variableType": "boolean",
  "groupName": "penn:isc:ait:apps:ngss:environments:prod:banner:population:ngssProdPopulationReprieve",
  "label": "${textContainer.text['penn_bannerProd_cu_bannerProdReprieved']}",
  "order": 40
}

{
  "variableToAssign": "cu_bannerProdReprieveEnd",
  "bindVar0": "${subject.id}",
  "userQueryType": "sql",
  "variableType": "String",
  "configId": "grouper",
  "bindVar0type": "string",
  "query": "select disabled_time from penn_imm_mship_disabled_date_v where group_name = 'penn:isc:ait:apps:ngss:
environments:prod:banner:population:ngssProdPopulationReprieve' and subject_source_id = 'pennperson' and
subject_id = ?",
  "label": "${textContainer.text['penn_bannerProd_cu_bannerProdReprieveEnd']}",
  "order": 50
}

{
  "variableToAssign": "cu_bannerProdReprieveAnalysis",
  "bindVar0": "${subject.id}",
  "userQueryType": "sql",
  "variableType": "string",
  "configId": "grouper",
  "bindVar0type": "string",

```

```

    "query": "select mship_desc from penn_custom_ui_mships_v where group_name = 'penn:isc:ait:apps:ngss:environments:prod:banner:population:ngssProdPopulationReprive' and subject_source_id = 'pennperson' and subject_id = ?",
    "label": "${textContainer.text['penn_bannerProd_cu_bannerProdRepriveAnalysis']}",
    "order": 55
}

{
  "variableToAssign": "cu_bannerProdRepriveLastAudit",
  "bindVar0": "${subject.id}",
  "userQueryType": "sql",
  "variableType": "string",
  "configId": "grouper",
  "bindVar0type": "string",
  "query": "select 'The last reprive was assigned by ' || user_using_grouper_name || ' on ' || to_char (the_timestamp, 'YYYY/MM/DD HH24:MI') as reprive_audit from penn_audit_add_membership_help_v paamv1 where group_name = 'penn:isc:ait:apps:ngss:environments:prod:banner:population:ngssProdPopulationReprive' and user_acted_on_subject_id = ? and user_acted_on_subject_source_id = 'pennperson' and paamv1.the_timestamp = (select max(paamv2.the_timestamp) from penn_audit_add_membership_help_v paamv2 where paamv1.group_name = paamv2.group_name and paamv1.user_acted_on_member_id = paamv2.user_acted_on_member_id) limit 1",
  "label": "${textContainer.text['penn_bannerProd_cu_bannerProdRepriveLastAudit']}",
  "order": 57
}

{
  "variableToAssign": "cu_bannerProdHasAccount",
  "fieldNames": "members",
  "userQueryType": "grouper",
  "variableType": "boolean",
  "groupName": "penn:isc:ait:apps:ngss:environments:prod:banner:users:ngssProdHasBannerAccount",
  "label": "${textContainer.text['penn_bannerProd_cu_bannerProdHasAccount']}",
  "order": 60
}

{
  "variableToAssign": "cu_bannerProdHasAccountAnalysis",
  "bindVar0": "${subject.id}",
  "userQueryType": "sql",
  "variableType": "string",
  "configId": "grouper",
  "bindVar0type": "string",
  "query": "select mship_desc from penn_custom_ui_mships_v where group_name = 'penn:isc:ait:apps:ngss:environments:prod:banner:users:ngssProdHasBannerAccount' and subject_source_id = 'pennperson' and subject_id = ?",
  "label": "${textContainer.text['penn_bannerProd_cu_bannerProdHasAccountAnalysis']}",
  "order": 65
}

{
  "variableToAssign": "cu_twoStepUsers",
  "fieldNames": "members",
  "userQueryType": "grouper",
  "variableType": "boolean",
  "groupName": "penn:community:authentication:twoStepUsers",
  "label": "${textContainer.text['penn_o365twoStep_cu_twoStepUsers']}",
  "order": 70
}

{
  "variableToAssign": "cu_bannerProdActiveEmployee",
  "fieldNames": "members",
  "userQueryType": "grouper",
  "variableType": "boolean",
  "groupName": "penn:isc:ait:apps:ngss:environments:prod:banner:population:ngssProdPopulation",
  "label": "${textContainer.text['penn_bannerProd_cu_bannerProdActiveEmployee']}",
  "order": 80
}

{
  "variableToAssign": "cu_bannerProdActiveEmployeeAnalysis",
  "bindVar0": "${subject.id}",

```

```

    "userQueryType": "sql",
    "variableType": "string",
    "configId": "grouper",
    "bindVar0type": "string",
    "query": "select mship_desc from penn_custom_ui_mships_v where group_name = 'penn:isc:ait:apps:ngss:environments:prod:banner:population:ngssProdPopulation' and subject_source_id = 'pennperson' and subject_id = ?",
    "label": "${textContainer.text['penn_bannerProd_cu_bannerProdActiveEmployeeAnalysis']}",
    "order": 85
}

{
    "variableToAssign": "cu_bannerProdActiveEmployeeEndDate",
    "bindVar0": "${subject.id}",
    "userQueryType": "sql",
    "variableType": "string",
    "configId": "pennCommunity",
    "bindVar0type": "string",
    "query": "select expire_message from employee_affil_expire_date_v where penn_id = ?",
    "label": "${textContainer.text['penn_bannerProd_cu_bannerProdActiveEmployeeEndDate']}",
    "order": 87
}

{
    "variableToAssign": "cu_bannerProdFerpa",
    "fieldNames": "members",
    "userQueryType": "grouper",
    "variableType": "boolean",
    "groupName": "penn:isc:ait:apps:knowledgeLink:completedWhenRequired:UP_87024_ITEM_FERPA001",
    "label": "${textContainer.text['penn_bannerProd_cu_bannerProdFerpa']}",
    "order": 90
}

{
    "variableToAssign": "cu_bannerProdFerpaAnalysis",
    "bindVar0": "${subject.id}",
    "userQueryType": "sql",
    "variableType": "string",
    "configId": "grouper",
    "bindVar0type": "string",
    "query": "select mship_desc from penn_custom_ui_mships_v where group_name = 'penn:isc:ait:apps:knowledgeLink:completedWhenRequired:UP_87024_ITEM_FERPA001' and subject_source_id = 'pennperson' and subject_id = ?",
    "label": "${textContainer.text['penn_bannerProd_cu_bannerProdFerpaAnalysis']}",
    "order": 100
}

{
    "variableToAssign": "cu_bannerProdFerpaEndDate",
    "bindVar0": "${subject.id}",
    "userQueryType": "sql",
    "variableType": "string",
    "configId": "warehouse",
    "bindVar0type": "string",
    "query": "select to_char(max(end_date), 'YYYY/MM/DD HH24:MI') as the_end_date from AUTHZ_KL_COURSEYR_EXPIRE_V where penn_id = ? and item_id = 'UP.87024.ITEM.FERPA001'",
    "label": "${textContainer.text['penn_bannerProd_cu_bannerProdFerpaEndDate']}",
    "order": 110
}

{
    "variableToAssign": "cu_bannerProdAllowedToManage",
    "fieldNames": "members",
    "userQueryType": "grouper",
    "variableType": "boolean",
    "groupName": "penn:isc:ait:apps:ngss:environments:prod:banner:prodBannerAdmin",
    "label": "${textContainer.text['penn_bannerProd_cu_bannerProdAllowedToManage']}",
    "order": 120,
    "forLoggedInUser": true
}

```

Text config beans

These are stored in attribute values on the custom UI group

```
{
  "endIfMatches":true,
  "customUiTextType":"header",
  "index":10,
  "defaultText":true,
  "text":"${textContainer.text['penn_bannerprod_header']}"
}

{
  "endIfMatches":false,
  "customUiTextType":"instructions1",
  "index":0,
  "defaultText":false,
  "text":"${textContainer.text['penn_bannerProd_instructions_eligible']}",
  "script":"${ cu_bannerProdEligible }"
}

{
  "endIfMatches":false,
  "customUiTextType":"instructions1",
  "index":10,
  "defaultText":false,
  "text":"${textContainer.text['penn_bannerProd_instructions_ineligible']}",
  "script":"${ ! cu_bannerProdEligible }"
}

{
  "endIfMatches":false,
  "customUiTextType":"instructions1",
  "index":20,
  "defaultText":false,
  "text":"${textContainer.text['penn_bannerProd_instructions_eligible30']}",
  "script":"${ cu_bannerProdEligible && cu_bannerProdEligible30min }"
}

{
  "endIfMatches":false,
  "customUiTextType":"instructions1",
  "index":30,
  "defaultText":false,
  "text":"${textContainer.text['penn_bannerProd_instructions_eligibleNot30']}",
  "script":"${ cu_bannerProdEligible && !cu_bannerProdEligible30min }"
}

{
  "endIfMatches":false,
  "customUiTextType":"instructions1",
  "index":40,
  "defaultText":false,
  "text":"${textContainer.text['penn_bannerProd_instructions_reprievedNoEnd']}",
  "script":"${ cu_bannerProdReprieved && cu_bannerProdReprieveEnd == null }"
}

{
  "endIfMatches":false,
  "customUiTextType":"instructions1",
  "index":50,
  "defaultText":false,
  "text":"${textContainer.text['penn_bannerProd_instructions_reprievedEnd']}",
  "script":"${ cu_bannerProdReprieved && cu_bannerProdReprieveEnd != null }"
}

{
```

```

"endIfMatches":false,
"customUiTextType":"instructions1",
"index":60,
"defaultText":false,
"text":"${textContainer.text['penn_bannerProd_instructions_bannerAccount']}",
"script":"${ cu_bannerProdHasAccount }"
}

{
"endIfMatches":false,
"customUiTextType":"instructions1",
"index":70,
"defaultText":false,
"text":"${textContainer.text['penn_bannerProd_instructions_bannerNoAccount']}",
"script":"${ ! cu_bannerProdHasAccount }"
}

{
"endIfMatches":false,
"customUiTextType":"instructions1",
"index":80,
"defaultText":false,
"text":"${textContainer.text['penn_bannerProd_instructions_twoStep']}",
"script":"${ cu_twoStepUsers }"
}

{
"endIfMatches":false,
"customUiTextType":"instructions1",
"index":90,
"defaultText":false,
"text":"${textContainer.text['penn_bannerProd_instructions_noTwoStep']}",
"script":"${ ! cu_twoStepUsers }"
}

{
"endIfMatches":false,
"customUiTextType":"instructions1",
"index":100,
"defaultText":false,
"text":"${textContainer.text['penn_bannerProd_instructions_activeEmployee']}",
"script":"${ cu_bannerProdActiveEmployee }"
}

{
"endIfMatches":false,
"customUiTextType":"instructions1",
"index":110,
"defaultText":false,
"text":"${textContainer.text['penn_bannerProd_instructions_notActiveEmployee']}",
"script":"${ ! cu_bannerProdActiveEmployee }"
}

{
"endIfMatches":false,
"customUiTextType":"instructions1",
"index":120,
"defaultText":false,
"text":"${textContainer.text['penn_bannerProd_instructions_activeEmployeeEndDate']}",
"script":"${ cu_bannerProdActiveEmployeeEndDate != null }"
}

{
"endIfMatches":false,
"customUiTextType":"instructions1",
"index":130,
"defaultText":false,
"text":"${textContainer.text['penn_bannerProd_instructions_ferpa']}",
"script":"${ cu_bannerProdFerpa }"
}

```

```

{
  "endIfMatches":false,
  "customUiTextType":"instructions1",
  "index":140,
  "defaultText":false,
  "text":"${textContainer.text['penn_bannerProd_instructions_noFerpa']}",
  "script":"${ ! cu_bannerProdFerpa }"
}

{
  "endIfMatches":false,
  "customUiTextType":"instructions1",
  "index":150,
  "defaultText":false,
  "text":"${textContainer.text['penn_bannerProd_instructions_ferpaEndDate']}",
  "script":"${ cu_bannerProdFerpaEndDate != null }"
}

{
  "endIfMatches":false,
  "customUiTextType":"instructions1",
  "index":160,
  "defaultText":false,
  "text":"<br />",
  "script":"true"
}

{
  "endIfMatches":true,
  "customUiTextType":"enrollmentLabel",
  "index":0,
  "defaultText":false,
  "text":"${textContainer.text['penn_bannerProd_enrollLabel_canUserBanner']}",
  "script":"${cu_bannerProdEligible && cu_bannerProdEligible30min && cu_bannerProdHasAccount}"
}

{
  "endIfMatches":true,
  "customUiTextType":"enrollmentLabel",
  "index":10,
  "defaultText":false,
  "text":"${textContainer.text['penn_bannerProd_enrollLabel_pendingToUseBanner']}",
  "script":"${cu_bannerProdEligible && !cu_bannerProdEligible30min && cu_bannerProdHasAccount}"
}

{
  "endIfMatches":true,
  "customUiTextType":"enrollmentLabel",
  "index":20,
  "defaultText":false,
  "text":"${textContainer.text['penn_bannerProd_enrollLabel_noAccountInBanner']}",
  "script":"${cu_bannerProdEligible && !cu_bannerProdHasAccount}"
}

{
  "endIfMatches":true,
  "customUiTextType":"enrollmentLabel",
  "index":30,
  "defaultText":false,
  "text":"${textContainer.text['penn_bannerProd_enrollLabel_cannotUseBanner']}",
  "script":"${!cu_bannerProdEligible30min && cu_bannerProdHasAccount}"
}

{
  "endIfMatches":true,
  "customUiTextType":"enrollmentLabel",
  "index":40,
  "defaultText":true,
  "text":"${textContainer.text['penn_bannerProd_enrollLabel_cantAndNoAccount']}"
}

```

```

{
  "endIfMatches":true,
  "customUiTextType":"canSeeScreenState",
  "index":0,
  "text":"false"
}

{
  "endIfMatches":true,
  "customUiTextType":"canSeeUserEnvironment",
  "index":0,
  "text":"${cu_bannerProdAllowedToManage}"
}

{
  "endIfMatches":true,
  "customUiTextType":"managerInstructions",
  "index":10,
  "defaultText":true,
  "text":"${textContainer.text['penn_bannerprod_managerInstructions']}"
}

{
  "endIfMatches":true,
  "customUiTextType":"enrollButtonShow",
  "index":0,
  "text":"false"
}

{
  "endIfMatches":true,
  "customUiTextType":"unenrollButtonShow",
  "index":0,
  "text":"false"
}

{
  "endIfMatches":true,
  "customUiTextType":"canAssignVariables",
  "index":0,
  "text":"${cu_bannerProdAllowedToManage}"
}

```

Externalized text

grouper.text.en.us.properties

```

# ngss prod analysis

penn_bannerprod_header = <h1>Prod Banner account analysis</h1>
penn_bannerprod_helpText = Banner account eligibility is analyzed and described to help troubleshoot issues.
penn_bannerprod_managerInstructions = Search for a person to analyze their Prod Banner status

penn_bannerProd_cu_bannerProdPersonDescription = Person
penn_bannerProd_cu_bannerProdEligible30min = Eligible for 30 min (provisioned to weblogin)
penn_bannerProd_cu_bannerProdEligible = Eligible (active employee, trained, two-step, or reprieved)
penn_bannerProd_cu_bannerProdEligibleAnalysis = Eligibility analysis
penn_bannerProd_cu_bannerProdReprieved = Reprieved (exempt from eligibility requirements)
penn_bannerProd_cu_bannerProdReprieveEnd = Reprieve end date
penn_bannerProd_cu_bannerProdReprieveAnalysis = Reprieve analysis
penn_bannerProd_cu_bannerProdReprieveLastAudit = Latest reprieve audit
penn_bannerProd_cu_bannerProdHasAccount = Has Banner account
penn_bannerProd_cu_bannerProdHasAccountAnalysis = Banner account analysis
penn_bannerProd_cu_bannerProdActiveEmployee = Active employee
penn_bannerProd_cu_bannerProdActiveEmployeeAnalysis = Active employee analysis
penn_bannerProd_cu_bannerProdActiveEmployeeEndDate = Employee end date
penn_bannerProd_cu_bannerProdFerpa = FERPA trained
penn_bannerProd_cu_bannerProdFerpaAnalysis = FERPA analysis
penn_bannerProd_cu_bannerProdFerpaEndDate = FERPA expire date

```

```

penn_bannerProd_cu_bannerProdAllowedToManage = Allowed to view other users

penn_bannerProd_enrollLabel_canUserBanner = <b>Banner status:</b> <b style="color: green">Can use Banner in
production</b>

penn_bannerProd_enrollLabel_pendingToUseBanner = <b>Banner status:</b> <b style="color: brown">Pending: access
should work in less than 30 minutes, try again soon</b>

penn_bannerProd_enrollLabel_noAccountInBanner = <b>Banner status:</b> <b style="color: brown">You are eligible
to use Banner but you do not have a Banner account</b>

# not enrolled
penn_bannerProd_enrollLabel_cannotUseBanner = <b>Banner status:</b> <b style="color: brown">You have a banner
account but you are not eligible</b>

penn_bannerProd_enrollLabel_cantAndNoAccount = <b>Banner status:</b> <b style="color: brown">You are not
eligible to use Bannner and you do not have an account</b>

penn_bannerProd_instructions_eligible = You are eligible to use production Banner.$space$
penn_bannerProd_instructions_ineligible = <b style="color: brown">You are not eligible to use production Banner.
</b>$space$
penn_bannerProd_instructions_eligible30 = You have been eligible for more than 30 minutes, so Weblogin should
allow you through to production Banner.$space$
penn_bannerProd_instructions_eligibleNot30 = <b style="color: brown">You have been eligible for fewer than 30
minutes so you will have to wait for your Weblogin Banner access. Try again soon.</b>$space$

penn_bannerProd_instructions_reprrievedEnd = <b style="color: brown">You have an eligibility reprieve that ends
on ${cu_bannerProdReprrieveEnd}.</b>$space$
penn_bannerProd_instructions_reprrievedNoEnd = You have an eligibility reprieve with no end date.$space$

penn_bannerProd_instructions_bannerAccount = You have a Banner account.$space$
penn_bannerProd_instructions_bannerNoAccount = <b style="color: brown">You do not have a Banner account.<
/b>$space$

penn_bannerProd_instructions_twoStep = You are enrolled in Two-Step Verification.$space$
penn_bannerProd_instructions_noTwoStep = <b style="color: brown">You are not enrolled in Two-Step Verification,
please <a href="https://twostep.apps.upenn.edu" style="text-decoration:underline !important">enroll</a>.<
/b>$space$

penn_bannerProd_instructions_activeEmployee = You are an active employee.$space$
penn_bannerProd_instructions_notActiveEmployee = <b style="color: brown">Your data does not reflect that you
are an active employee.</b>$space$
penn_bannerProd_instructions_activeEmployeeEndDate = <b style="color: brown">Your employment record ends on
${cu_bannerProdActiveEmployeeEndDate}. If you need Banner access after that date be sure to coordinate with
your Business Administrator.</b>.$space$

penn_bannerProd_instructions_ferpa = You are trained in FERPA.$space$
penn_bannerProd_instructions_noFerpa = <b style="color: brown">You are required to take <a href="
https://tinyurl.com/ngssFerpa" style="text-decoration:underline !important">FERPA training</a>.</b>.$space$

penn_bannerProd_instructions_ferpaEndDate = Your FERPA end date is ${cu_bannerProdFerpaEndDate}. Be sure to <a
href="https://tinyurl.com/ngssFerpa" style="text-decoration:underline !important">take the FERPA training again<
/a> before that date.$space$

```