What is Penn Community?

- a Person Registry – the place where we keep track of ‘who is or was associated with Penn

- Represents people, and what our relationship is with them.

- Data is gathered from various systems and joined to create a single unique record for a person.
Where does PC data come from?

- nightly feeds from
  - Student Record System (SRS)
  - Penn’s Payroll System
  - UPHS’ Payroll System
  - Atlas (Alumni)
  - Oasis (Applicants)

- Penn Community is archival.
What is done using PC?

- PennID numbers are generated (SSNs begone!)
- All relationship(s) represented
- Pennkey setup codes generated
- Main source of authorization information for apps & services
- Info on pennkeys, whether a setup code is on the way
- Pennkeys for low-level access (for guests)
Data from varying sources can almost, but not quite, match

Discrepancy in SSN, birthdate, names

Data Administration sends out conflict reports on a daily basis – in the meantime, the record is suspended awaiting resolution.
Affiliations

- Penn Community represents all of a person’s relationships to the University.

- Could be both staff and student – so would have both these affiliations.

- Info on all jobs, all student degrees pursued for an individual.
People loosely affiliated with Penn (conference attendees, etc)

- Entry/View application available to enable individuals not in source systems to be represented and for issuance of setup codes or requests for batch pennkeys for guests.

- Available to select and trained Data Managers and PennKey Admins

- Also: read-only PC or Community Status for lookups
Who is responsible for putting people in Penn Community?

- If people come from a source system in a timeframe that is acceptable its automatic.

- If the timeframe doesn’t work, or if the person doesn’t come from a source system, the people in the school/center closest to the person’s need for the affiliation are responsible (and are trained for the purpose).
‘Persistence’ in PC

- If we have enough data (name, ssn, birthdate), we can join data from sources, and be assured that we show all affiliations (1 pennID/1 pennkey)—important in apps and services.

- If we don’t have enough data (just name), we can keep information, but there may be >1 record.
“Persistent” affiliations

- For people with permanent / ongoing connections to Penn (faculty, student, alumni etc)

- Goes through the biomatching process

- Individual should have only one record in Penn Community.

- There is a batch load process available for affiliations.
“Non-persistent” affiliates

- Essentially “disposable”

- Can be batch created by a trained admin – with PennKeys!

- Cannot be reactivated

- No biomatching done – can have multiple records.

- Authorization should not be done against these records (limited use such as wireless access, etc)
Using data from PC

- Web Service(s): customizable views
- Data can be used to create groups in PennGroups
- Oracle query access, wish to move people to flattened data structure if possible (froPennCommDirect)
- Ad hoc querying for reports available
- (data dictionary and form for query access available at www.upenn.edu/computing/group/penncommunity)
What is a PennKey?

- An electronic credential granting access to digital Penn resources in similar fashion to access in the physical world granted by PennCards (door swipes, etc.)

- A username/password combination, but based on secure protocols and technology

- Based on Kerberos
Who needs a PennKey?

- Anyone who needs to access PennKey’d resources, such as most University wide systems (Directory, PennInTouch, PennWorks, UPHS computers, library resources, software downloads)

- Sometimes PennKey may not be the right answer for every app/service (for example: RSVPs)
What is required to get a PennKey?

- A Penn Community record, so that a setup code can be issued

- If not faculty, student or staff, then a sponsor – someone saying a PennKey is needed

(PennKey’d services grant access based on affiliations – students don’t get access to payroll info unless they also work. The decision resides with the service / application owner and is not tracked centrally.)
“Multi-user” PennKeys?

- Nope!

- For operational and security concerns, it’s important to be able to identify who is using the resources.
PennKey Setup Codes

- A 7-character one-time password used to register a new PennKey OR reset PennKey password online
  - Once it’s been used, it becomes invalid
  - Expires if not used within 60 days
Choosing a PennKey Name

- 8-character max, all lower case

- When first registering PennKey, user presented with a list generated by algorithm to have some relation to actual name

(We’re aware dissatisfaction with the names presented currently)
Getting PennKeys: On Campus

Fac/staff/ongoing students can get setup codes here:

- Central Administration Stations: Registrar’s Office, PennCard Office (2nd floor B wing 3401 closed!)

- Schools have local Administration Stations – please refer to [www.upenn.edu/computing/pennkey](http://www.upenn.edu/computing/pennkey) for info.
Getting PennKeys: Remotely

- Alumni: PennKey ASAP (dynamic authentication based on answering questions about student career) – after success, create PennKeys online without a setup code.

- Incoming Students: sent Setup Codes automatically via admissions email address or postal mail if no email address.

- Offsite faculty/staff/students – Setup Code Service mailings or reset of PennKey via PennKey Recovery Service (Security Questions)
PennKey Guest Sponsorship

- Good for individuals not able to present themselves on campus.

- [www.upenn.edu/computing/pennkey/guest.html](http://www.upenn.edu/computing/pennkey/guest.html)

- Penn Community Affiliation and Setup code is generated, and information is mailed.
Resetting PennKey names (PennNames)?

- University policy permits a change of name in the following circumstances:
  - Legal name change (via marriage, divorce, etc)
  - Person being subjected to harassment, threats
  - The existing name may be deemed offensive or otherwise inappropriate
PennKey Website Goodness

- Test My PennKey - when a person may not have access to the service they are attempting to use due to affiliation and thinks PennKey is defunct

- Changing/resetting a known PennKey password.

- Lots of other useful information: www.upenn.edu/computing/pennkey
Thank you – hold questions until the end

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- About pennkey in general:
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