



Introduction to IDS Logic

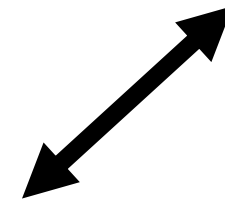
Shannon Pritting, Syracuse University Libraries, Tech Dev. Team Chair, IDS Project

How Does IDS Logic Work?

ILLiad



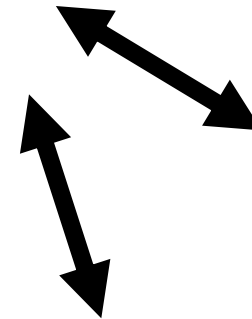
Libraries Configure Logic Rules and Services to best automate workflows, getting data from APIs, web services, and other sources



Z39.50



ALIAS



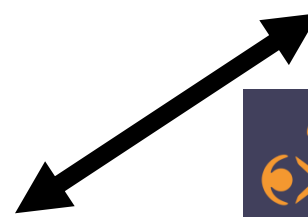
IDS Logic Connection to ILLiad



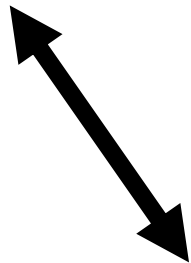
Server Addon
allows Read-
Write Access to
ILLiad database



IDS Logic Server
Addon installed in
ILLiad Customization
Manager



IDS Logic Server



OCLC[™]

ILLiad will then send
selected commands to
OCLC (i.e. cancel, etc)

What does this mean to me?

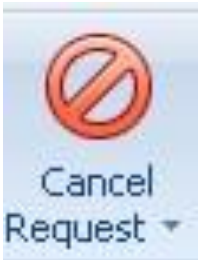
- IDS Logic can insert information into transactions.
- IDS Logic can route transactions.
- IDS Logic can cancel and update transactions in ILLiad and WCRS/Worldshare.
- IDS Logic can send emails to patrons or other libraries based on criteria you give it.
- IDS Logic can read information in transactions and take actions based on criteria.

Who's Using Logic Now?

28 Libraries

25 IDS Project Members

Terminate the parts of your workflow that you aren't adding value to your operation.



We're not about Transactions, we're about Touches.



Hi, my Name is System.
I like to do the mundane stuff.



It's about the queue, not the transaction.



Buttons are much more powerful when you can act on many transactions at the same time.

IDS Logic Rules



Can key off date information

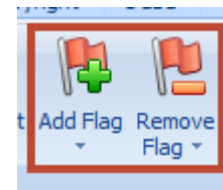


IDS Logic looks for information that is reliably acted upon and takes actions, including notifying patrons



Emails Patron

Updates/Routes Transaction



Add/Remove Flags

ILLiad



How are Logic rules different than Client Routing Rules?

$$\begin{aligned} \text{Ei}(x) &= \gamma + \ln(x) + \int_0^x (\cosh(t) - 1)/t \\ \text{Ei}(x) &= \int_0^x \frac{\sinh(t)}{t} dt \quad \text{FresnelC}(x) = \\ \text{Erfi}(x) &= 2/\sqrt{\pi} \int_0^x e^{-t^2} dt = 2/\sqrt{\pi} \\ \text{dilog}(x) &= \int_1^x \ln(t)/(1-t) dt \quad \text{Psi}(x) \\ \text{L-sub-n}(x) &= (e^x/n!) (x^n e^{-x}) \end{aligned}$$

Rules can make finding, fixing, and working on your workflow problems much easier.



We'll put
the fish
in a
barrel for
you.

Release the MicroManagers! (In a Good Way).



In Stacks Searching - ILLiad Client 8.4.3.0

Home Borrowing Document Delivery Lending System Process

Open Cancel Route Send E-mail Export Print

Process

Man OCLC WorldShare In Stacks Searching X

Drag a column header here to group by that column

Creation Date	Transaction Date	Transa...	Photo Journal Title	Ched Title	Location	Call Number	Photo Article Title
4/18/2014 4:51 PM	4/23/2014 12:20 PM	750619	Kenchiku to shi = Architecture and urbanis...		Architecture Reading Room - Re...	NA4900 .A3	General Electric Building (originally RCA Victor Building), 570 Leav...
4/21/2014 11:26 AM	4/22/2014 7:46 AM	750772			Architecture Reading Room, Sls...	GN445 .H066 1998	Behavior Observations in Ethnography
4/22/2014 12:35 AM	4/22/2014 7:46 AM	750945	Handbook of methods in cultural anthropology /		Brd-3rd Floor	GV1060 .S. 1759	Jon Hendershott; Beth Bonner Pioneers Sub-3 Hour Marathon
4/22/2014 12:55 AM	4/22/2014 8:08 AM	750946	Track & field news.		Brd-3rd Floor (does not circulate)	DC066 .7 .F47 A313 2014	
4/22/2014 9:54 AM	4/22/2014 11:05 AM	751021			Brd-2nd Floor	BP163 .M365 1997	
4/22/2014 11:17 AM	4/22/2014 1:10 PM	751048			Brd-2nd Floor	BF592 .F33 W43 1997	
4/22/2014 3:46 PM	4/22/2014 4:16 PM	751178			Brd-2nd Floor	PS310 .M57 F57 2011	
4/23/2014 10:58 AM	4/23/2014 11:15 AM	751243			Brd-5th Floor		
4/23/2014 10:58 AM	4/23/2014 11:32 AM	751353	Kansas history.		Brd-3rd Floor (does not circulate)	F576 .K3321	A HOLY BATTLEGROUND; METHODIST, BAPTIST, AND QUAKER M...
4/23/2014 11:49 AM	4/23/2014 12:20 PM	751372	The economist.		Brd-3rd Floor (does not circulate)	H511 .E19	Nazi Propaganda
4/23/2014 2:54 PM	4/23/2014 3:07 PM	751444			Brd-4th Floor	ND3363 .A1 B67 2013	
4/23/2014 4:27 PM	4/25/2014 9:12 AM	751472			Architecture Reading Room, Sls...	NA123 .B30 2011	
4/23/2014 5:39 PM	4/23/2014 6:14 PM	751487			Brd-5th Floor	PS3515 .A944 B66 1957	
4/23/2014 5:49 PM	4/23/2014 6:14 PM	751490			Brd-5th Floor	PN4900 .L55 R3 OVERSIZE	
4/23/2014 7:21 PM	4/24/2014 8:16 AM	751500	Human Communication Research		Brd-5th Floor (does not circulate)	P91.3 .H85	SOME EXPLORATIONS IN INITIAL INTERACTION AND BEYOND; T...
4/24/2014 2:29 AM	4/24/2014 8:16 AM	751526			Brd-4th Floor	HM656 .S53 2014	
4/24/2014 9:14 AM	4/24/2014 9:32 AM	751556	Muzamas = Muzamas.		Brd-4th Floor	M6200 .M83	VISUAL COSMOPOLITANISM AND CREATIVE TRANSLATION; ARTI...
4/24/2014 9:45 AM	4/24/2014 11:47 AM	751573	In the neartime ; temporality and cultural po...		Brd-4th Floor	HM656 .S53 2014	Introduction; Tempo Tantrums; Chapter 1; 3rd-Lag Luxury

Future Development: The Rules are Multiplying!

- Build more rules to help manage your workflow—some rules big, some small.
- Will need input on priorities of rules to build.



Toolkit, meet Rulekit.

We'll try to build rules that everyone can benefit from (Especially the patron) based on the principles of the Workflow Toolkit.



The screenshot shows the 'Workflow Toolkit' page on the IDS Project website. At the top, the IDS Project logo is on the left, and a quote reads: 'A unified community of trust and support built around a critical and clearly understood purpose: effective resource sharing.' Below this, the page is divided into sections: 'Workflow Toolkit Links' (with sub-sections like Download Full Workflow Toolkit, Intro Materials, Quick Reference, Notes from Your Library Visit, Collaborative Technologies, Borrowing, Document Delivery, and Lending Best Practices), and 'Workflow Toolkit' (with sub-sections like Truly effective resource sharing depends upon each library running at peak efficiency... and Get the Toolkit). A small image of a stack of books is visible in the bottom right corner of the screenshot.

toolkit.idsproject.org



The screenshot shows the 'IDS Logic Rulekit' page on the IDS Project website. At the top, the IDS Logic logo is on the left, and a quote reads: 'A unified community of trust and support built around a critical and clearly understood purpose: effective resource sharing.' Below this, the page is divided into sections: 'IDS Logic Rulekit Links' (with sub-sections like Workflow Documentation and Logic Rules), and 'IDS Logic Rulekit' (with sub-sections like What is IDS Logic? and a list of bullet points describing the service). A small image of a stack of books is visible in the bottom right corner of the screenshot.

rulekit.idsproject.org

Hi, my Name is Service.
I have many talents.



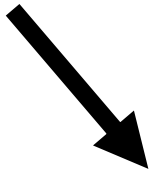
Lending Availability Service

ILLiad



Z39.50

Logic stores complex availability settings and rules and interacts between ILLiad and the libraries Z39.50 server to check availability and import all needed information.



Logic is a platform that will continue to be built upon to facilitate the most effective resource sharing possible through ILLiad automation and enhancements.



Logic as a platform will seek to optimize ILL workflows through knowledge of systems used for resource sharing.



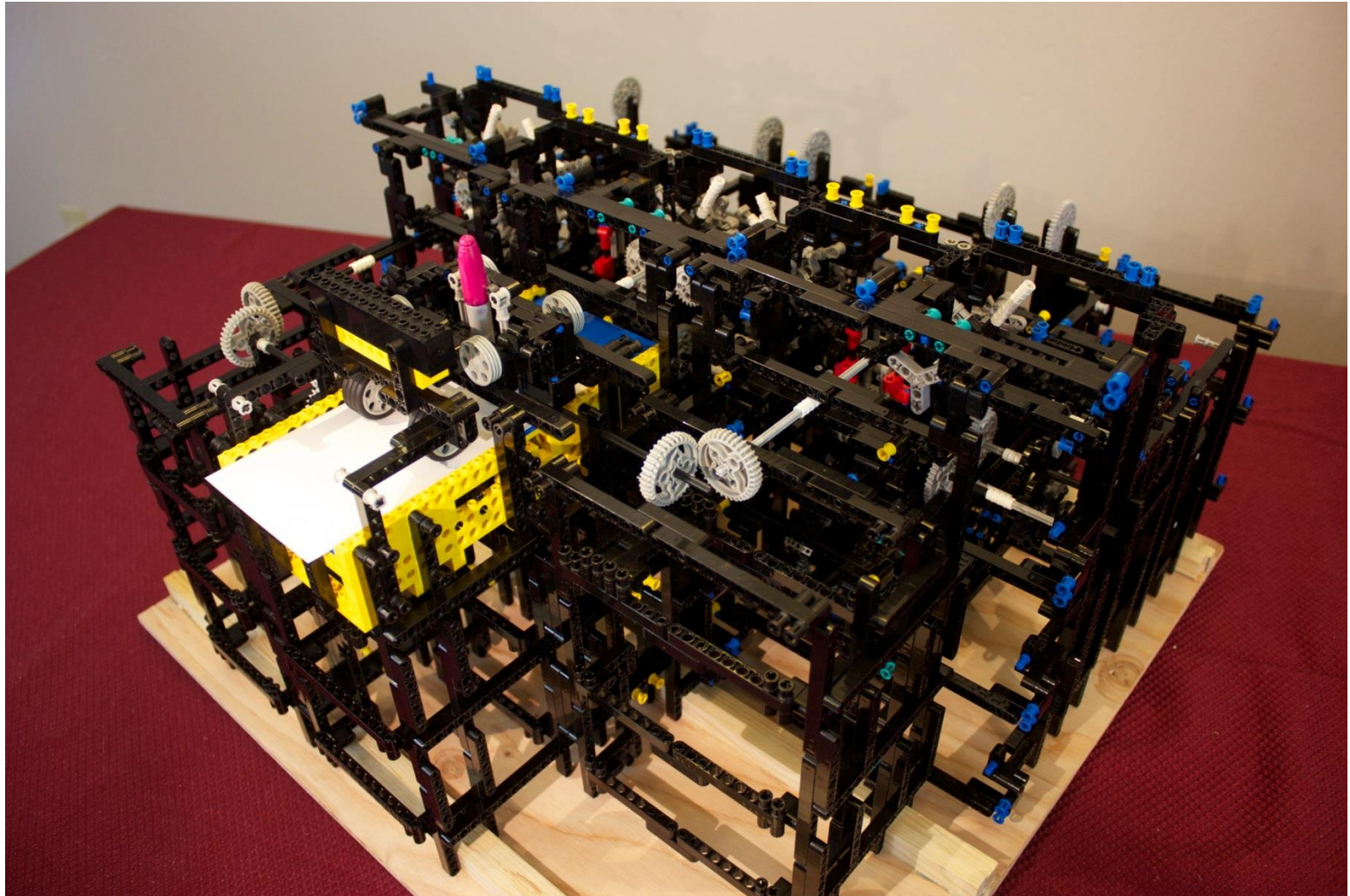
Think functional apps that focus on specific problems within a larger OS.

It adds up (and we're just getting started)

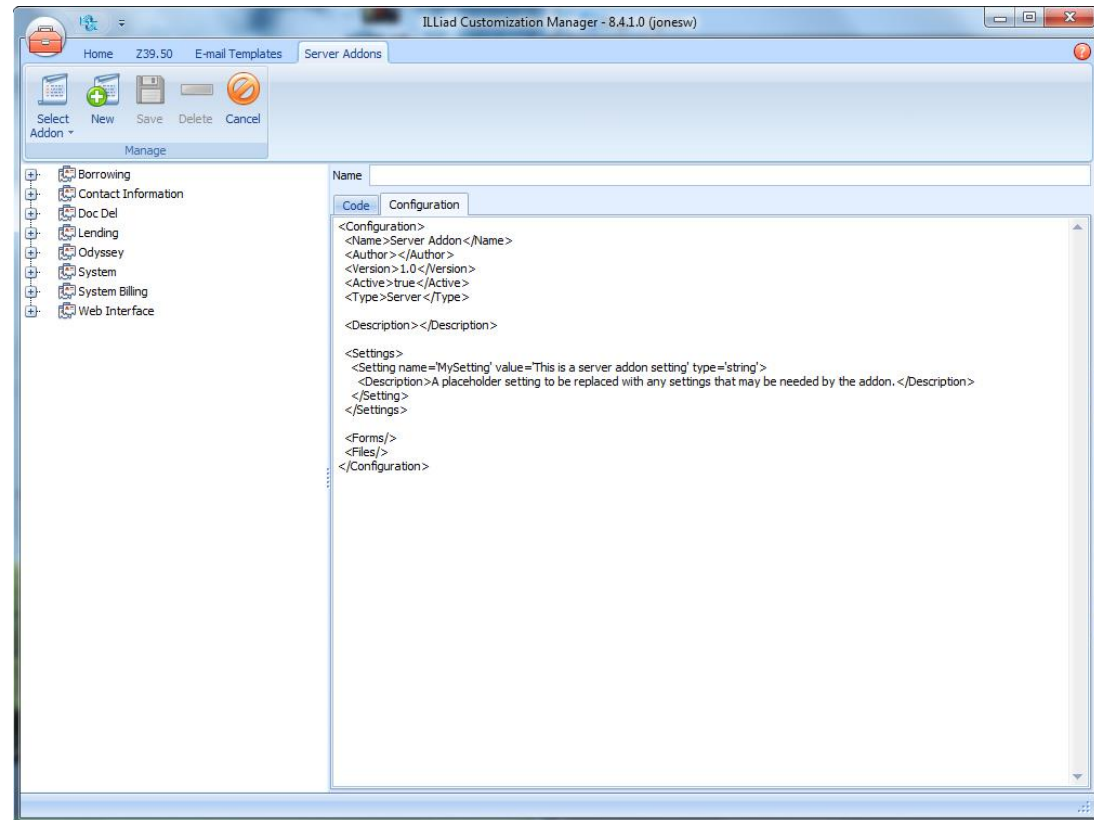
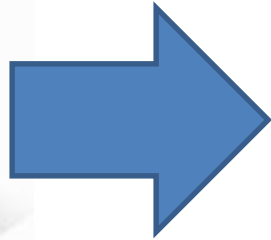
- SYB—31,000 touches automated in the past year with new Logic rules and services.



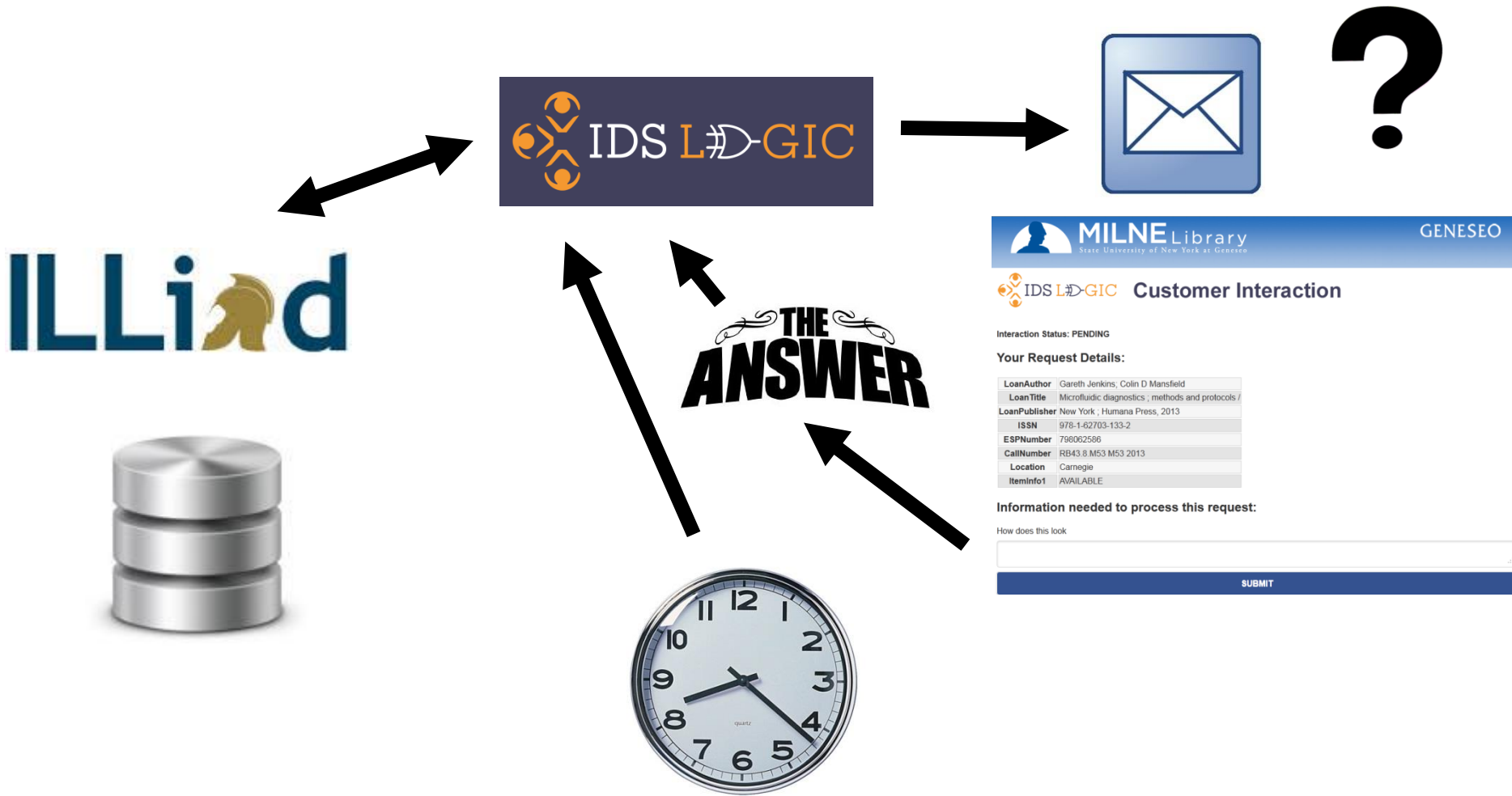
Complex Installation?



Installation Process



Future Developments: Patron Interaction



Future Developments: Enhanced Web Reports

- TPAM will be improved and re-released as IDS Data Services using Logic as the method for gathering data.
- IDS Data Services releasing in next 6 -9 months

ILLiad Reports

Borrowing Lending Document Delivery Administrative

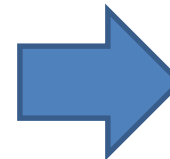
Borrowing - Fill Rate Statistics

Generated 8/5/2013 10:57:59 AM
Begin Date 7/1/2013
End Date 8/1/2013
Sites All
Groups All
User Statuses All

Export Options

Exporting to Microsoft Excel creates a multi-sheet workbook for this report with parameters, graphs (if applicable) and grids of all data. Any grouping or sorting you do before clicking export will change the display of the data in Excel.

[Export To Microsoft Excel](#)



IDS LOGIC

CTOOLS FAN PAGE: 33,123 FANS ▲3%

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TOP 5 ARTICLES ON CTOOLS LABEL: CDA 12, CDE 7, CDV 5, TRAINING 3, CGG 2

Registered Trainees: CTOOLS TRAINING S.Paulo Export

Trainees	Age	Mail	Activity	Shares	Likes	Comments	Registered Since
David Truty	20	davidtruty@gmail.com	Student	5	1	0	April 04
Robin Lazenby	23	robin@collect.com	Programmer	4	3	2	April 03
Bradon Barber	34	bradonbb@gmail.com	Student	1	1	1	Mar 22
Tom Marshall	43	tommarshall@gmail.com	Programmer	1	5	1	Mar 16
John Stibelberger	27	johnstibel@gmail.com	Software Engineer	0	1	0	Mar 14
Louis Barber	34	lbarber@gmail.com	Programmer	1	1	0	Mar 14

The New ALIAS



Future Developments

Direct Request Enhancer



Questions?