









Carnegie Mellon Import Wizard: Mat	rix data
Si *ORA-NetScenes 3.0.9.9) File Edit Preference: Data Management Generate Networks Analysis Simulations Visualizations Help Ref 1 = 10 × 10 × 10 × 10 × 10 × 10 × 10 ×	The meta-network manager should have the entry shown. You can select the agent nodeset and examine the nodes in the editor. And likewise for the network Agent x Agent.
🖸 🚺 June 2020 © 2020 CASOS, Director Kathleen M	. Carley 5





33 Import Data into ORA-NetScenes We will import two files at once: Construct a mete-network by combining data from one or more files. The file format is determined by the filename extension. We will import two files at once: Import file: tute 2014/Day 2 - Remingal/Software Company/Matrix Data/softco - agent x knowledge.csv Browsee Source type: Agent x Knowledge Agent x Knowledge Import file: Institute 2014/Day 2 - Remingal/Software Company/Matrix Data/softco - agent x knowledge.csv Browsee Network Name: Agent x Knowledge Create new nodes Agent x Task Import file: Institute 2014/Day 2 - Remingal/Software Company/Matrix Data/softco - agent x task.csv Browsee Use the "Click to import from
Image: Telle has source headers Image: Telle has target headers File delimited by: Agent x Knowledge Source type: Agent Target type: Knowledge Image: Create new nodes Agent x Knowledge Network Hame: Agent x Knowledge Image: Create new nodes Agent x Knowledge Import file: Image: Image: Source headers Image: Create new nodes Browsee Image: Create new nodes Import file: Image: Image: Source headers Image: Create new nodes Browsee Image: Create new nodes Image: Create new nodes Image: Agent x Knowledge Image: Create new nodes Agent x Task Image: Image: Create new nodes Agent x Task Image: Image: Create new nodes Image: Creat
Import file: Institute 2014/Day 2 - Remings/Software Company/Matrix Data/softco - agent x task.csv Browse C File has source headers File delimited by: Use the "Click to import from
Source type: Agent Target type: Task Create new nodes another file" button.
Network Name: Agent x Task Click to import from another file Be sure to choose the Source and Target types for each file to import.
Concel < Back Net > Fighth Then click finish.





























Carnegie Mellon	bute Controls
V Title Name: Title Type: Number Category V V Allow multiple values?	 This is the typical ORA control for creating a new Attribute: notice the Name, Type, and "multiple values"
Info Editor Nodes Attributes Node Name State	Enter multiple values into cells in the Nodeset Editor using a semi-colon
Target ID Maine;Alabama;Texas Weight Arkansas Mgr2 Oklahoma;Nevada EE2 Oklahoma LDR Arkansas EE5 Georgia	 The tool-tip for the cell lists the values separately
CISOS June 2020 © 2020 CASOS,	Director Kathleen M. Carley 17

















Import Wizard	d: Tables
Import Data into ORA-NetScenes Step 1: Select a file containing table data with column headers: itute 2016/1 - Data - Import(Software Company(Table Link Data)softco - agent x agent - table.css Step 2: Check the columns that contain node names and enter the nodeset information:	Browse to the specified file in the Table Link folder.
SOURCE ID column contains: TARGET ID column contains: Node names Nodeset class: Agent Nodeset class: Agent Nodeset class: Agent Nodeset name: Agent Nodeset name: Agent Make unique Make unique	WEIGHT colur General the data file: Source (node) ID, Target (node) ID, and (link) weight.
Step 3: Define networks and attributes based on the columns: Networks Networks and Labels Networks combined names Attributes Source Node Target Node Link Value Network Network Colum	We specify that the columns contain Node names, both for nodeset Agent. For the Weight column we do not need to
Source ID Target ID Select New Clear	 specify anything. Step 3: create an agent x agent network by associating the two
Load configuration Save configuration Cancel Sack Next >	ID columns, and assign the link the value in the weight column. We check to create new nodes.
SUD June 2020 © 2020 CASOS. Director H	Kathleen M. Carley

Import Data into ORA-NetScenes Specify these general import options for the data: Create new nodes for unrecognized node names Select how to handle parsing errors: Cogand continue Create a dynamic meta-network with these options: Get dates from this column: Create keyframe meta-networks Create keyframe meta-networks Create deta meta-networks Greate keyframe meta-networks Greate beta meta-networks Greate deta meta-networks	Cancel < Back lext >	 After clicking some advan options app We will use default optio Just click Fin 	g next ced ear the ons nish



Carnegie Mellon Import Wizard: T	ables
I +ORA-NetScenes 3.0.9.9j	The resulting meta-network
File Edit Preferences Data Management Generate Networks Analysis Simulations Visualizations Help	is created.
Meta-Network M * * * * * * * * * * * * * * * * *	
Image: State Software Company Image: Software Company <td< th=""><th>It should look identical to that of the previous import.</th></td<>	It should look identical to that of the previous import.
Eind: Select All Select Visible 0 / 16 Selected, 16 / 16 Visible	
© 2020 CASOS, Director Kathleen M	I. Carley 25

















🛱 Import Data ir	to ORA-NetScenes					x	Step 2 indicates that
Step 1: Select a f	le containing table dat	with column bea	ders:				the column has Dates.
D:\Summer Institu	te 2016\1 - Data - Imp	ort\Tweet Data\tv	reets.tsv		Bro	vse	and that they are
Step 2: Check the	columns that contain	node names and er	nter the nodeset inform	nation:			formatted www-mm-de
SENDER_ID colur	nn contains:	DATE col	umn contains:		HASHT	AGS CC	
Node names		▼ Dates		•	Node r	ames,	EX: 2010-01-23
Nodeset class: A	gent	O Form	at string:		Nodese	class:	
Nodeset name: A	gent	уууу	-MM-dd	•	Nodese	name:	This will create one
🔲 Make unique		🔘 Time	period string		Delimite	rs:	moto notwork por day
•						P.	meta-network per uay
Step 3: Define net	works and attributes b	ased on the colum	ns:				with the nodes and
Networks Netw	vorks and Labels N	etworks combine	d names Attribute	s			links for that day.
Source Node	Target Node	Link Value	Network	Network Col	umn		
TWEET_ID	▼[HASHTAGS ▼	Select	▼ Tweet x Hashtag	Select	•	×	Note: you could
							"truncato" the date
L							format to value mm to
		New	Clear				iomat to yyyy-mm to
Load configurati	on <u>S</u> ave configura	tion					create and populate
							one meta-network per
			<u>C</u> ancel < <u>B</u>	ack <u>N</u> ext	> F	nish	month











Import Wizard: Tex	t Tables
Import Data into ORA-NetScenes Step 1: Select a file containing table data with column headers:	Use the Tweets.csv dataset within the Tweet Data folder.
D:\Summer Institute 2014/Day 2 - Reminga\Tweet Data\tweets.tsv Browse Step 2: Check the columns that contain node names and enter the nodeset information: If MAGS column contains: If MAGS column contains: TXT column contains: a names, delimited • set class: Knowledge set mane: Hashtag	The Text column contains the text message from a tweet.
	Use the settings shown in Step 2.
Source Node Name Target Node Name Link Value Network Name Network Name C TWEET_ID TEXT Cauto-generated> <select> Rew Clear Load configuration Save configuration Cancel < Back Next> Finish</select>	Use Step 3 to create a network that maps the Tweet to each of the word nodes parsed from the Text column.





Car İSſ	institut SOFTV RESEA	gie Mellon KAR Imp	port W	izard:	Text	Tables	
			D	C	D	A thesaurus file needs to	
	1	A	B concentTo	metaOntology	nodeType	have at least these 4	
	2	world cup	world cup 2014	Event	specific	columns. This is the same	
	3	world cup 2014	world cup 2014	Event	specific	format that Automap uses	
	4	john oliver		agent	specific	for a thesaurus.	
	5	england		location	generic		
						Using this thesaurus would create a "world_cup_2014" Event node, marked with a NodeType = Specific attribute whenever it found "world cup" in the string.	
	ci	21				Occurrences of "John Oliver" would be made into Agent nodes "John_Oliver".	
1		$\overline{\mathbf{O}}$					27
ם	K	June 2020	© 202	O CASOS, Directo	r Kathleen M.	Carley	57





rnegie Mellon natius for vortwast ktsfarch	Import Wizard: JSON						
3 Import Data into ORA	-NetScenes	Margelink), for		Click Next, and then browse			
Select one or more data file	es:			to the movedata2 file that is			
D:\Summer Institute 2016\	1 - Data - Import\JSON\moviedata2	2.json	Browse	in the JSON folder.			
JSON Field	Nodeset Type	Nodeset Name					
fields.actors	Agent	✓ Agent	^				
fields.directors	Agent	✓ Agent	=	This contains information			
fields.genres	Select	-		about movies. Each movie is			
fields.image_url	Select	•		a ISON record			
fields.plot	Select	•	-				
Use date field: fields.z	Hour(s)	Name	yy-MM-dd'T'HH:mm:s Delete	In this example, we will associate each actor in a movie with his director.			
fields.actors	▼ fields.directors	 Actor x Director 					
Load Configuration	New Configuration	Clear Cancel < Back N	ext > Figish				
	20 @ 20	20 CASOS Director	Kathleen M. Ca	aley.			











Import Wizard: En	nail data
Import Data into ORA-NetScenes Select the email server type: General Import	Click Next and enter the email server and user
Email server: Imap.srv.cs.cmu.edu Email server: Imap.g@cs.cmu.edu Account usersmane: Ireminga@cs.cmu.edu Account postore: INBOX Import Options	Then click on folder Select to verify the connection and get possible email folders.
General options: Create only nodes Filter options: Ignore emails before: 2016 (*) June 2 (*) at 00:00:00 (*)	Use the Import Options tab to filter emails based by date.
Ignore emails after: 2016 m/s June 2 m/s at 00:00:00 m/s Date aggregation options: Aggregate by 6 m/s Hour(s)	Emails can be imported into time periods by using the Aggregate control.
	ah





moort Data into OBA N	at Connor	X	Browse to the file:
Inport Data Into OKA-ING	etscenes		
ect one or more data files:			ice-cream-survey.xisx
Summer Institute 2016\1 -	Data - Import\Survey Monkey\ice-cream-sur	vey.xlsx Browse	
ode is created for each surv	ev taker and added to the responder nodese	et.	
ponder nodeset: Agent	 Responder 		The survey contains
			one row per survey
eate Kesponder Attributes	Create Responder Links		
uestion	Attribute value type	Attribute name	taker, called a
spondentID	Text	▼ ID ▲	respondent
llectorID	Select	•	respondente
artDate	Select	• =	
dDate	Select	-	
Address	Select		Each respondent is
ail Address	Select	-	imported as a node
st Name	Select		
tName	Select		along with the
itom Data	Select	-	attributes specified in
			the Create Deerender
	Sal		the Create Responder

	Browse	responder are specified
	Browse	
		using the Create
		Responder Links tab.
Nodeset name	Network name	
▼ Flavor	Responder x Flavor - Fav	
▼ Flavor	Responder x Flavor - Least	For each survey
•		
•		question, first specify
-		Value Deenenee Values
-		using Response values
*		the type of data in the
<u>C</u> ancel	< Back Next > Figish	response.
of Flavor,	, and put the	Then specify the target
، - to ond !	, aat	nodecet and a network
ite and Le	asi	nouesel, and a network
		-
	Nodeset name Novor Novor Novor Cancel Cancel of Flavor ite and Lee	Nodeset name Nodeset name Noor No









mport Data into ORA-NetScene:			
	s		Use the Custom
ect the twitter data format:			Attribute tab to import
vitter JSON		•	
ect one or more data files:			custom attribute values
Summer Institute 2016\1 - Data - Im	nport\Tweet Data\gniptweets_Dec	.07.21.json Browse	from the JSON.
Import Options Custom Attributes	Import Error List View File		
noose a nodeset and the attributes to Tweet Nodes Agent Nodes	o create from the JSON fields.		
SON Field A	Attribute Type	Attribute Name	
ntities.user_mentions[].screen S	elect 👻	A	
avorited T	ext 👻	favorited	
eo S	ielect 🔻		
eo.coordinates S	ielect 🔻		
eo.type S	elect 🔻		
S	elect 👻		
_str S	elect 🔻		
_reply_to_screen_name S	elect 🔻		
_reply_to_status_id S	ielect 🔻	T	
	Clear All		
	Cancel	< Back Next > Einich	













