Interactive / insert / 1

INS 1
INS 2
INS 3
INS 4
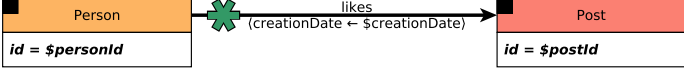INS 5
INS 6
INS 7
INS 8

query	Interactive / insert / 1
title	Add person

pattern	

desc.	Add a Person *node*, connected to the network by 4 possible *edge* types.

params			
	1	personId	ID
	2	personFirstName	String
	3	personLastName	String
	4	gender	String
	5	birthday	Date
	6	creationDate	DateTime
	7	locationIP	String
	8	browserUsed	String
	9	cityId	ID
	10	languages	{String}
	11	emails	{Long String}
	12	tagIds	{ID}
	13	studyAt	{<ID, 32-bit Integer>}	{‹universityId, classYear›}
	14	workAt	{<ID, 32-bit Integer>}	{‹companyId, workFrom›}

CPs	9.1, 9.2

Interactive / insert / 2

INS 1
INS 2
INS 3
INS 4
INS 5
INS 6
INS 7
INS 8

query	Interactive / insert / 2
title	Add like to post
pattern	

desc.	Add a likes *edge* to a Post.

params			
	1	personId	ID
	2	postId	ID
	3	creationDate	DateTime
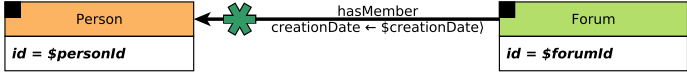
CPs	9.2

Interactive / insert / 3

query	Interactive / insert / 3	
title	Add like to comment	
pattern		
desc.	Add a likes *edge* to a Comment.	

params	1	personId	ID	
	2	commentId	ID	
	3	creationDate	DateTime	

CPs	9.2
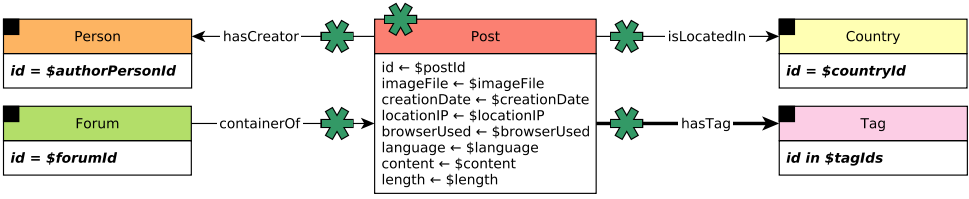
Interactive / insert / 4

query	Interactive / insert / 4	
title	Add forum	
pattern		
desc.	Add a Forum *node*, connected to the network by 2 possible *edge* types.	

params	1	forumId	ID	
	2	forumTitle	Long String	
	3	creationDate	DateTime	
	4	moderatorId	ID	
	5	tagIds	{ID}	

CPs	9.1, 9.2

Interactive / insert / 5

INS 1	query	Interactive / insert / 5
INS 2	title	Add forum membership
INS 3		
INS 4	pattern	
INS 5		
INS 6	desc.	Add a Forum membership *edge* (hasMember) to a Person.
INS 7		
INS 8		

pattern diagram:

Person — id = $personId ◄— hasMember (creationDate ← $creationDate) — Forum — id = $forumId

params	1	personId	ID	
	2	forumId	ID	
	3	creationDate	DateTime	

CPs	9.1, 9.2

Interactive / insert / 6

INS 1	query	Interactive / insert / 6
INS 2	title	Add post
INS 3		
INS 4	pattern	
INS 5		
INS 6		
INS 7		
INS 8		

pattern diagram:

Person — id = $authorPersonId ◄— hasCreator — Post
(id ← $postId
imageFile ← $imageFile
creationDate ← $creationDate
locationIP ← $locationIP
browserUsed ← $browserUsed
language ← $language
content ← $content
length ← $length)
— isLocatedIn → Country — id = $countryId
Forum — id = $forumId — containerOf → Post
Post — hasTag → Tag — id in $tagIds

desc.	Add a Post *node* to the social network connected by 4 possible *edge* types (hasCreator, containerOf, isLocatedIn, hasTag).

params	1	postId	ID	
	2	imageFile	String	
	3	creationDate	DateTime	
	4	locationIP	String	
	5	browserUsed	String	
	6	language	String	
	7	content	Text	
	8	length	32-bit Integer	
	9	authorPersonId	ID	
	10	forumId	ID	
	11	countryId	ID	
	12	tagIds	{ID}	

CPs	9.1, 9.2
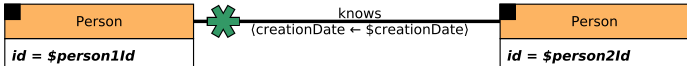
Interactive / insert / 7

query	Interactive / insert / 7
title	Add comment
pattern	
desc.	Add a Comment *node* replying to a Post/Comment, connected to the network by 4 possible *edge* types (replyOf, hasCreator, isLocatedIn, hasTag).

params			
1	commentId	ID	
2	creationDate	DateTime	
3	locationIP	String	
4	browserUsed	String	
5	content	Text	
6	length	32-bit Integer	
7	authorPersonId	ID	
8	countryId	ID	
9	replyToPostId	ID	−1 if the Comment is a reply of a Comment
10	replyToCommentId	ID	−1 if the Comment is a reply of a Post
11	tagIds	{ID}	

CPs	9.1, 9.2

Interactive / insert / 8

query	Interactive / insert / 8
title	Add friendship
pattern	
desc.	Add a friendship *edge* (knows) between two Persons.

params			
1	person1Id	ID	
2	person2Id	ID	
3	creationDate	DateTime	

CPs	9.2