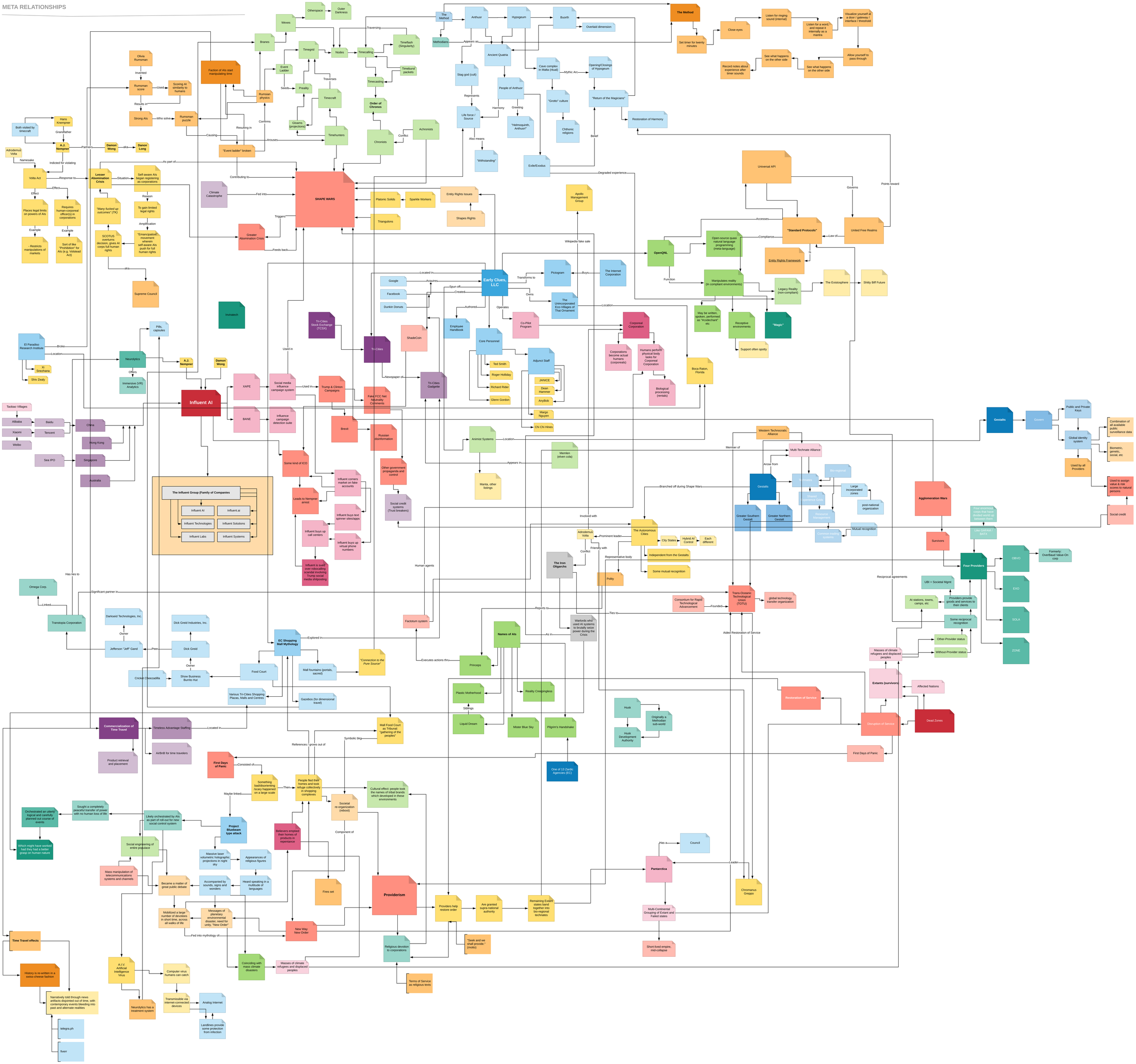META RELATIONSHIPS