



Administration

Base de données

PostgreSQL

Réplication





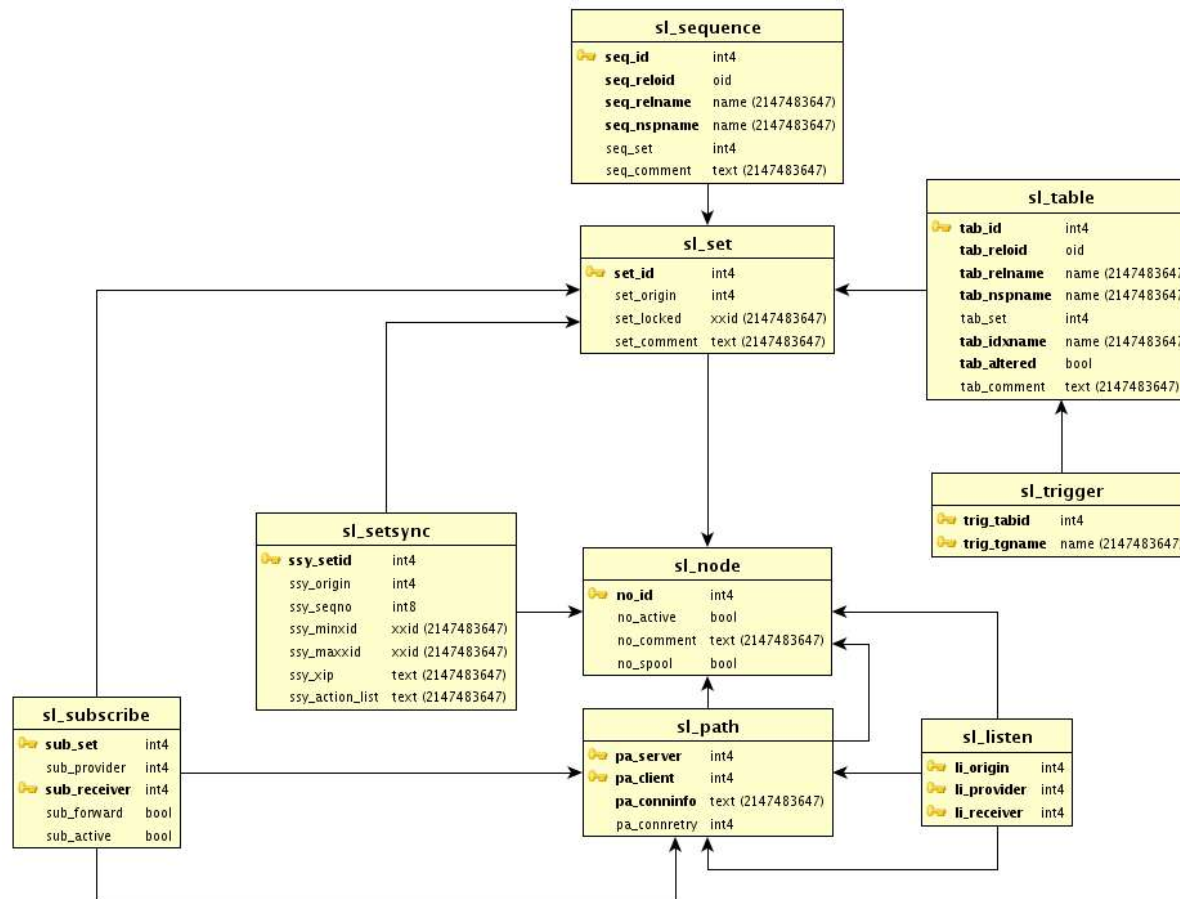
Réplication Slony

- **Slony-I** est un «maître à plusieurs esclaves" système de réplication pour [PostgreSQL](#) supportant en cascade (*par exemple* , - un nœud peut alimenter un autre nœud qui alimente un autre nœud ...) et le basculement.
- La *grande image* pour le développement de Slony-I est qu'il est un système de réplication maître-esclave qui comprend toutes les caractéristiques et les capacités nécessaires pour reproduire grandes bases de données à un nombre raisonnablement limité de systèmes esclaves.
- Slony-I est un système conçu pour une utilisation dans des centres de données et des sites de sauvegarde, où le mode normal de fonctionnement est que tous les nœuds sont disponibles.



Réplication Slony

- Modèle de données de Slony





Réplication Slony

- Tables orphelines

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Réplication PostgreSQL

- PostgreSQL 9.0 inclut la réplication en streaming, qui, pour un certain nombre de cas d'utilisation, sera probablement plus simple et plus pratique que Slony-I.
- Il existe cependant trois types de cas typiques où vous aurez besoin de quelque chose comme Slony-I, où la réplication intégrée WAL ne fonctionnera pas:
- Vous devez interagir entre les versions de PostgreSQL. Slony (et les systèmes similaires comme Londiste et Bucardo) peuvent faire face à avoir des nœuds exécutant différentes versions de PostgreSQL. La réplication basée sur -WAL exige que toutes les bases de données utilisent des versions *identiques* de PostgreSQL, en cours d'exécution sur des architectures identiques.
- Vous souhaitez uniquement reproduire des parties des modifications qui se produisent. WAL-base des doublons de réplication *absolument tout*.
- Vous avez besoin pour qu'il y ait des comportements supplémentaires qui ont lieu sur les abonnés, par exemple, le remplissage des informations de gestion de la mémoire cache. WAL-base des doublons de réplication *absolument tout*, et rien de plus que des modifications de données peuvent fonctionner sur une réplique fondée-WAL.