BLENDIFY

A Novel System for Organizing, Aggregating, Syncing and Managing Online Services by Mapping them into a Single, Interconnected, Coherent and Dynamic Graph Structure

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'Why' Blendify:

To Simplify the Usage Arising out of Increasing Number of Online Services and Reduce Information Complexity

To Provide a User Control over his "Digital Presence" under one Single Portal

To Save Effort and Time Spent on Multiple Online Services that primarily Serve the same functional purpose such as Social or Email

BLENDIFY is a system with acts as a middleman between online services and a user's local filesystem. It aggregates services under one single filesystem through dynamic mapping capabilities. Objectives include:

Build a prototypical file system algorithm that abstracts and integrated multiple online services under the banner of a single file system
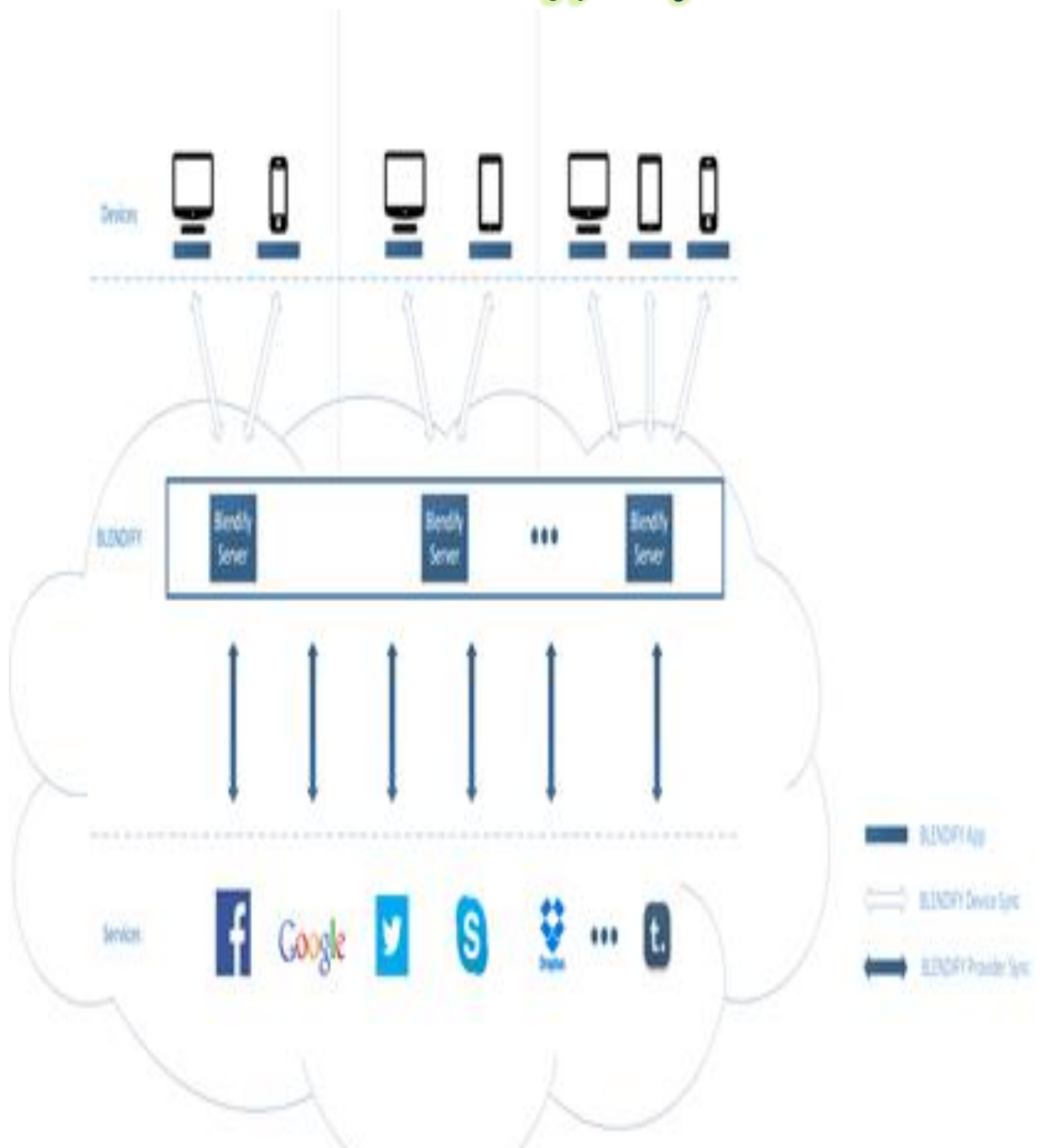
Build a generic create graph API that can dynamically create root graphs containing social clients and email clients and create sub graphs containing the photos, conversations and other threads containing text or multimedia data under further sub graphs

Build a two-way *sync* engine that syncs data in real-time between a user's local file system and online services.

Build a generic search engine that can search a user's entire digital presence online to find mentions of a given string (Searching "FYP" will produce results that mention FYP across an entire user's data presence be it social clients, email clients or multimedia data.) allowing user to find his relationship to a given keyword across his entire online presence.

'What' Blendify:

A Simplistic Graphical Overview of the *Blendify* System:

'How' Blendify:

Consists of Interfaces and Components that Form a Generic Graph into which any service can be pushed in…

Interfaces:

Graph Interface

Notification Interface

Caching Interface

Components:

Facebook Graph Creator

Email Graph Creator

Graph Mounter

Service Filesystem Mounter

Search Component

Filesystem Mapper

Background Notifications Application

The above features interconnect through the filesystem to form a generic graph engine that can map more services as they are embedded into the system