



CrashPlan in the Enterprise

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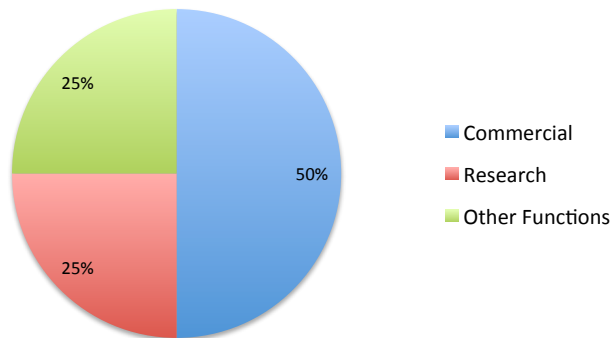
Genentech / Roche

Global Mac Engineering & Operations

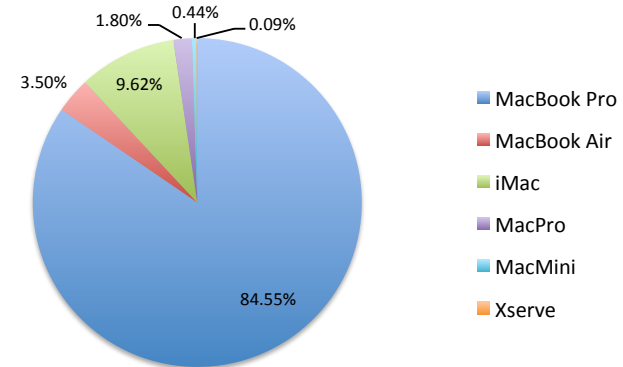
About Genentech / Roche



Macs by Function

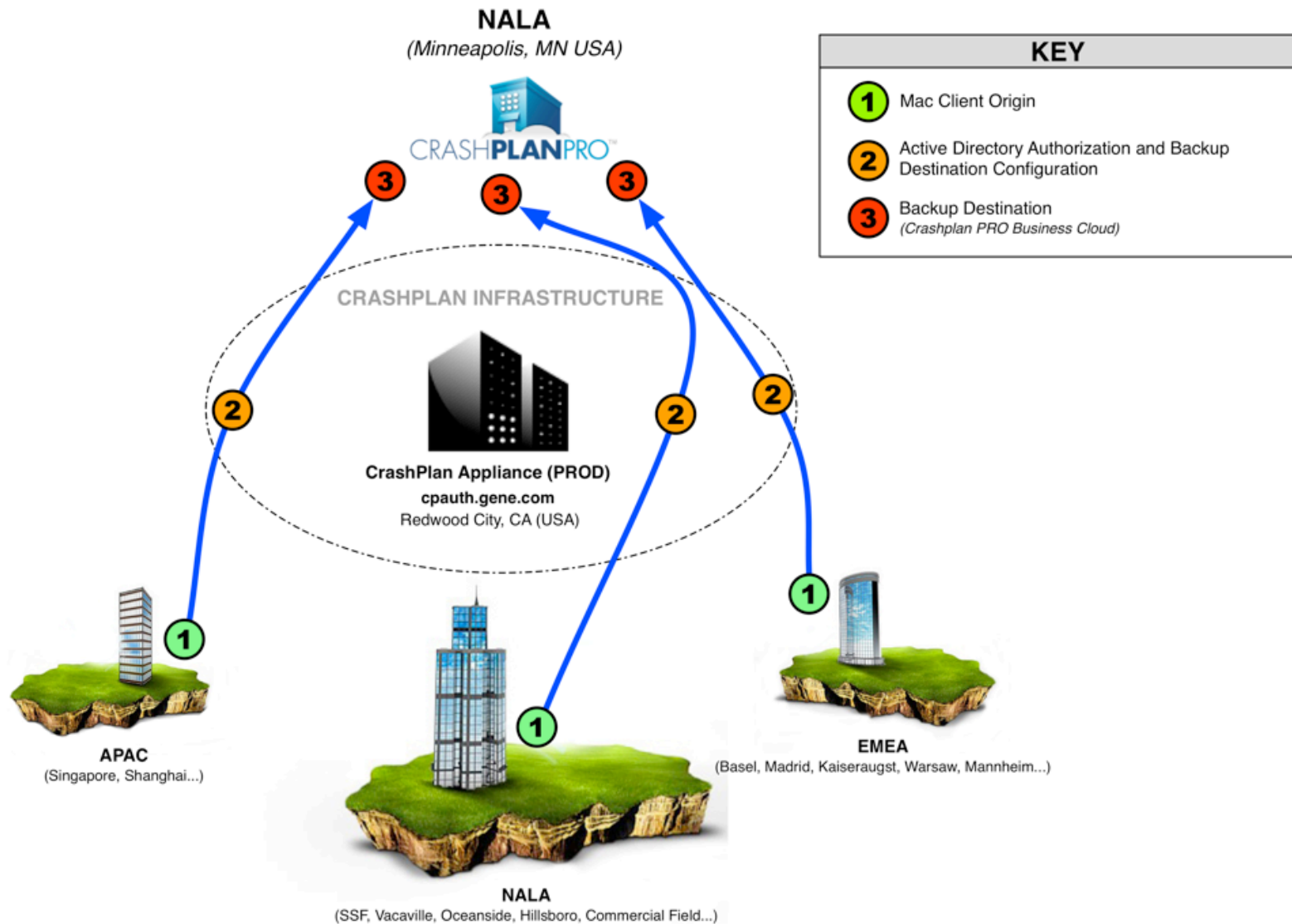


Macs by Form Factor

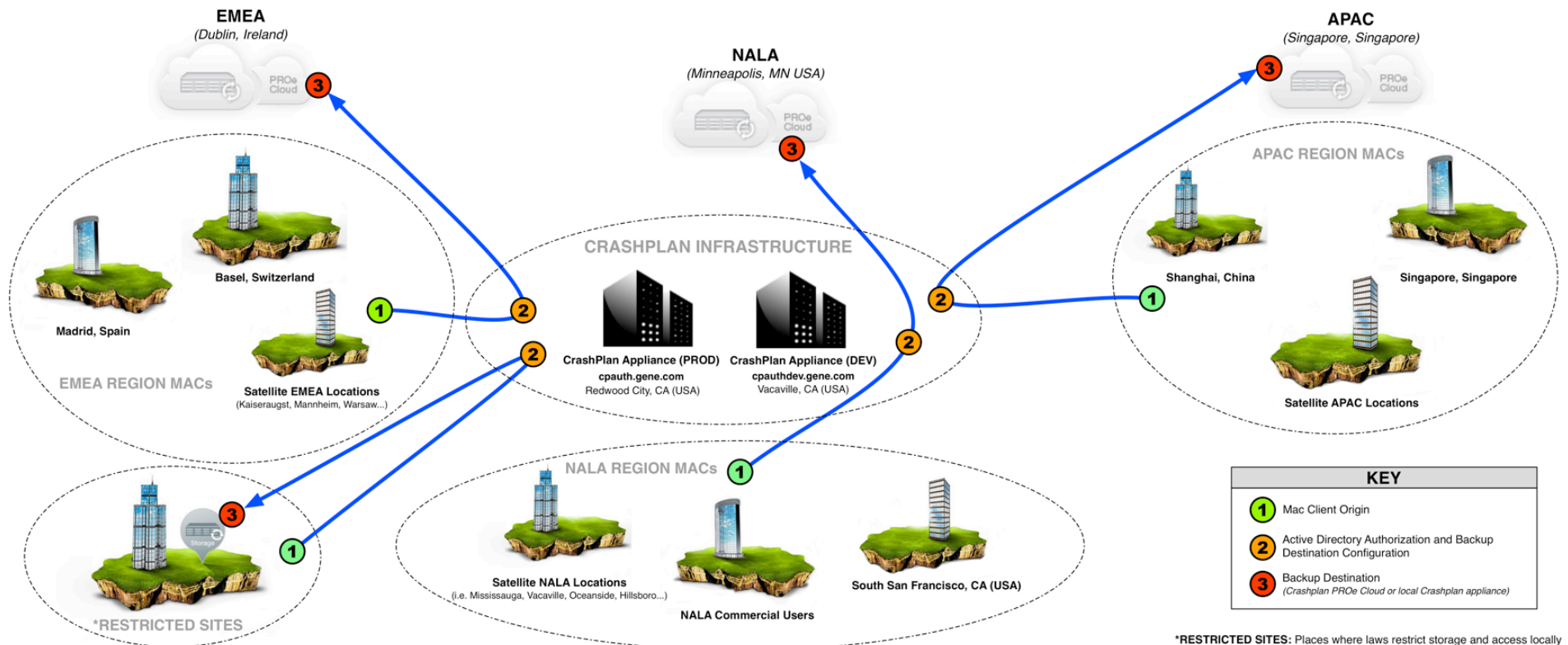


- › 80,000 Employees
- › 10,000 Mac clients backed up by CrashPlan (so far...)
- › Custom **userInfo.sh** script for adding users to correct organizations
- › Casper Suite integration for deployment, reporting and scoping

Current Infrastructure



Upcoming Infrastructure



userInfo.sh Script

- » Functions to identify appropriate username to be used for Crashplan (leverages VPN settings, AD, wireless configuration, and last console for “correct” user information)

```
if [ "$unixIDgconnect" = "$unixIDcrashplan" ] && [ "$unixIDgconnect" != "null" ]; then
    unixID=$unixIDgconnect
else
    if [ "$unixIDgconnect" = "$unixIDwireless" ] && [ "$unixIDgconnect" != "null" ]; then
        unixID=$unixIDgconnect
    else
        if [ "$unixIDwireless" = "$unixIDadInfo" ] && [ "$unixIDwireless" != "null" ]; then
            unixID=$unixIDwireless
        else
            if [ "$lastConsoleUser" = $unixIDcrashplan ] && [ $unixIDcrashplan != "null" ]; then
                unixID=$unixIDcrashplan
            else
                if [ "$lastConsoleUser" = "$unixIDadInfo" ] && [ "$unixIDadInfo" != "null" ]; then
                    unixID=$unixIDadInfo
                else
                    unixID=$lastConsoleUser
                fi
            fi
        fi
    fi
fi
fi
```

userInfo.sh Script

- › Function to use “best” username, directory, and other crumbs to set user to the appropriate organization unit

```
findUser() {
    echo "USER_NAME=$unixID"
    USER_NAME=$unixID
    checkUserLDAP "$USER_NAME"
    export user="root"
    today=`date +%Y%m%d`
    export userEmail="${LDAP_USER:-"${EthernetMAC}${today}"}"
    export userHome="/Users"
    export userGroup=`id -gn "$user"`

    echo "user=$user" >> $logName 2>&1
    echo "userEmail=$userEmail" >> $logName 2>&1
    echo "userHome=$userHome" >> $logName 2>&1
    echo "userGroup=$userGroup" >> $logName 2>&1
    echo "userEmail has been set to $userEmail" >> $logName 2>&1

    echo "userInfo dir: ${customDir}" >> $logName 2>&1
    echo "LDAP_USER: ${LDAP_USER}" >> $logName 2>&1

    if [ -z "${LDAP_USER}" ] ; then
        echo "Non-LDAP user, changing password to generated and reg key to rejects" >> $logName 2>&1
        serviceXml="${customDir}/conf/default.service.xml"
        echo "default.service.xml path: ${serviceXml}" >> $logName 2>&1
        cp "${serviceXml}" "${serviceXml}.bak" >> $logName 2>&1 || echo "Copy to ${serviceXml}.bak failed!" >> $logName
2>&1
        sed -e s/"\${deferred}"/"\${generated}"/ -e "s/XXXX-XXXX-XXXX-XXXX/XXXX-XXXX-XXXX-XXXX/" "${serviceXml}.bak" > "${
{serviceXml}" || echo "sed command failed!" >> $logName 2>&1
    elif [ -f "/Library/Application Support/JAMF/Receipts/CANADA_IDENTIFIER.pkg" ] ; then
        echo "Canada Mac user, changing reg key" >> $logName 2>&1
        serviceXml="${customDir}/conf/default.service.xml"
        echo "default.service.xml path: ${serviceXml}" >> $logName 2>&1
        cp "${serviceXml}" "${serviceXml}.bak" >> $logName 2>&1 || echo "Copy to ${serviceXml}.bak failed!" >>
$logName 2>&1
        sed -e "s/XXXX-XXXX-XXXX-XXXX/XXXX-XXXX-XXXX-XXXX/" "${serviceXml}.bak" > "${serviceXml}" || echo "sed command
failed!" >> $logName 2>&1
    fi
}
```

Casper Suite and CrashPlan

Leveraging CrashPlan APIs and Configuration



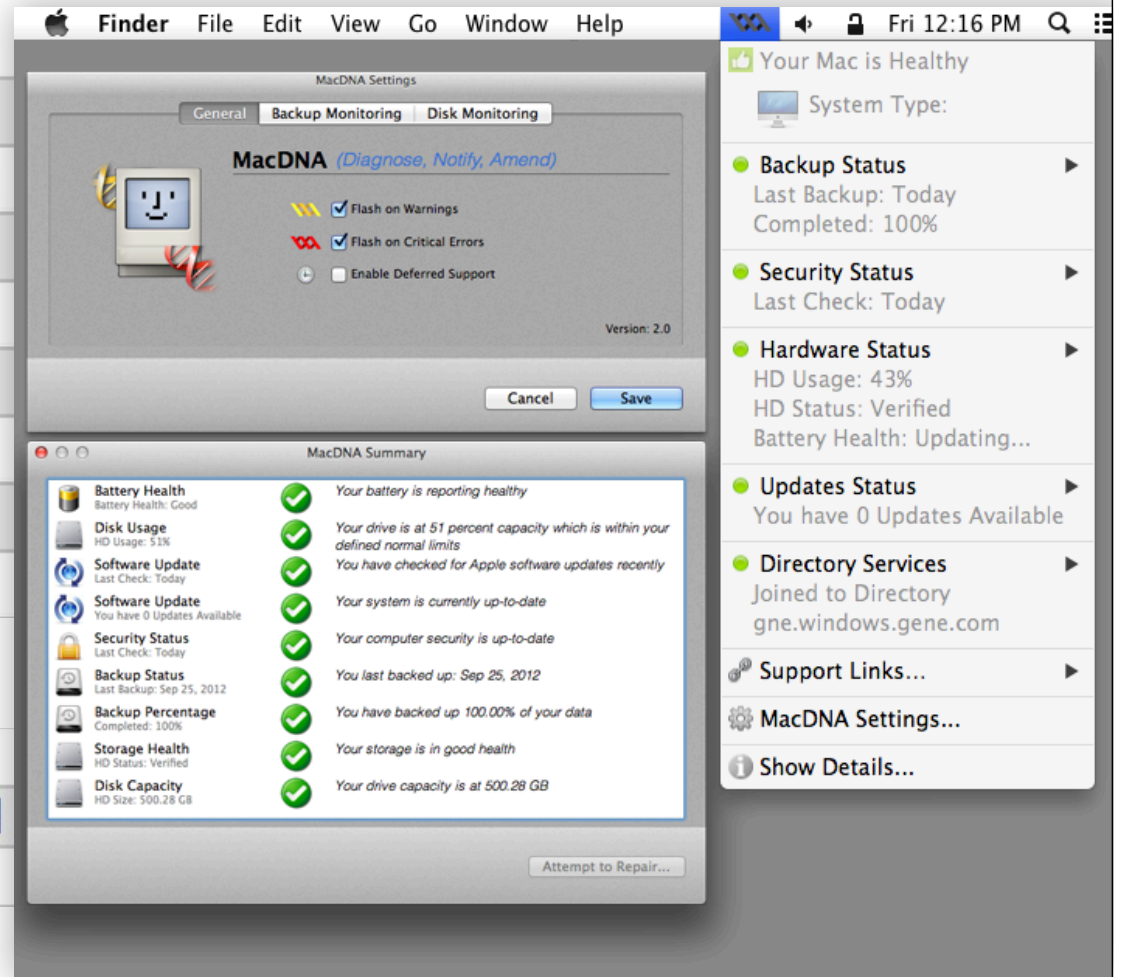
Custom Menubar Status Application

Extension Attributes

CP – Alert Status
CP – Backup Percent Complete
CP – Computer GUID
CP – GUID Status
CP – Last Backup
CP – OrgName
CP – User Status
CP – Username

SMART Groups

CP – 30+ Backup
CP – Mismatch with LDAP Found
CP – Not Installed



Q & A



Thank you!