|  |
| --- |
| Dark particle labs |
| History Nav |
| User’s Guide |
|  |
| **Angelo Vescio** |
| **9/11/2012** |

|  |
| --- |
| Document contains contents for user’s guide. The text portions of this document may be reproduced, and distributed freely. The Piston logo and attached wording are a trademark of Dark Particle Labs, and may not be reproduced without company permission. |

Table of Contents

[Background 2](#_Toc335163292)

[Scope 2](#_Toc335163293)

[Milestones 2](#_Toc335163294)

[Fee Schedule 4](#_Toc335163295)

[Cost Estimate 4](#_Toc335163296)

## Background

History Nav is a program written in C# for the .NET 2.0 framework. It has the following uses:

* Scanning of Master File Table (MFT) entries on a fixed NTFS volume, or raw image of an NTFS volume created with the Linux tool DD, or the DCFL variant
* Storage of MFT entry metadata in a SQLite3 database for archival purposes
* Creation of a heat map which illustrates periods of high activity given a date range

## Scope

1. Locate a suitable hosting provider or provide installation and configuration of local server

Dark Particle Labs has selected Amazon AWS as the most efficient hosting service to meet the needs of the client. AWS was selected due to their price for storage, available service options, and bandwidth price.

1. Implement a Content Management System

Dark Particle Labs has selected Wordpress as the CMS to implement. Wordpress was selected for its cost, usability, security, and ease of administration.

1. Apply for and install an SSL certificate

Geotrust has been selected as the provider for the SSL certificate due to cost and services available.

1. Transition web site design

Dark Particle Labs will transition the old website to a new server and implement it as a Wordpress theme.

1. Transition email and calendar services to new provider

Dark Particle Labs has selected Google apps as the most suitable provider for email and calendar services. This selection was made due to scalability of adding users, inbox size, device integration, and overall cost.

1. Train administrator to handle ongoing maintenance and updates

Dark Particle Labs will train one administrator who will then be responsible for updating the site, setting up email accounts, and handle other routine admin tasks.

## Milestones

Client signs off on initial contract and provides 25% of total projected project cost as a reserve.

Google Business Apps Setup

* Account creation
* Email migration for users
* Transition from old service to new
* Troubleshooting

User testing of Google Business Apps and transition

* Client will attempt to administer and use the new email configuration before the name servers (Network Solutions) are pointed to the Google Apps
* Name servers will be updated to point to new service

External Hosting Setup

* Amazon AWS instance creation
* Operating System Installation and External IP assignment
* Firewall Configuration

Initial Wordpress Setup and Security Implementation

* Install Wordpress on AWS instance
* Install MySQL on AWS
* Configure MySQL security

Development of primary Wordpress theme

* Acquire all website code from previous Time-Warner site
* Transition code from individual HTML pages to Wordpress theme
* Push theme to AWS instance
* Troubleshoot connectivity and functionality

Internal content development for handling users and documents

* Configure Wordpress for multiuser management
* Configure private administration
* Configure secure area for non-public client content
* Troubleshoot security of newly implemented features

User testing of new site and transition

* Client will attempt to administer and use the website before the name servers (Network Solutions) are pointed to the new site
* Name servers will be updated to point to new service

Final security review of website

* Examine the website for inappropriately exposed content, and further server lock down if necessary

Final acceptance of website and email

* Client handed all credentials, keys, and guides for administration of web and email
* Client signs off on project as complete pending training of an administrator

Training and maintenance

* One week to train one administrator, and make sure everything is running to the client’s specification

## Fee Schedule

|  |  |  |
| --- | --- | --- |
| SSL Assistance and Processing | Cost of Certificate + $55 per hour | Light to moderately labor intensive guidance provided to client |
| Setup and Deployment of Webserver | Cost of Hardware or Hosting + $85 per hour | Time intensive, and highly specialized administrator and security work |
| Selection and Setup of Content Management System | Cost of License + $90 per hour | Labor Intensive, and highly specialized security and web developer work |
| Layout and Design | $110 per hour | Labor Intensive and highly specialized web designer work |
| Logo and Graphic Design | $120 per hour | Time intensive and highly specialized web and graphic designer work |
| Data Processing and Transfer to new site | $65 per hour | Time intensive transfer of old media to new media |
| Data Recovery from previous hosting provider or server | $105 per hour | Labor intensive, may require reassembly or salvage of lost files and volumes |
| General system administration items | $45 per hour | Moderately labor intensive, not specialized, significant paperwork |

## Cost Estimate

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Hours Expected | Cost per Hour | Total Cost of Activity |
| Google Apps Setup | 8 hours total | $85/hour | $680 |
| Installation and setup of Wordpress on Amazon cloud | 12 hours total | $85/hour | $1020 |
| Migration of email to Google Apps | 6 users @ 2 users/hour  3 hours total | $65/hour | $195 |
| Migration of data to Amazon cloud | Depends on data amount | ~~$65/hour~~  Flat Fee | $100 |
| Development of primary Wordpress theme | 5 hours | $110/hour | $550 |
| Network Solutions administration for domain name | 1 hour total | $45/hour | $45 |
| Integration of user management system for Wordpress site | 4 hours total | $90/hour | $360 |
| Connectivity tests and trouble shooting | 2 hours total | $85/hour | $170 |
| Final security check | 1 hour total | $85/hour | $85 |
|  |  | Total Cost | $3205 |

|  |  |  |
| --- | --- | --- |
|  |  |  |
| Itemized Costs | Recurrence | Cost |
| Basic Amazon cloud | Monthly | $90 - $200 depending on traffic and storage size |
| SSL Certificate | Yearly | $199 |
| Google Apps | Monthly | $60 @ $10/user |
| Total Cost | Monthly/Yearly | $276/$3319 Max |