Technical Architecture and flows schemas

Technical Architecture

SphinxConnect server

Survey Server

- Filling a survey form created with either Sphinx Plus² (v5) or Sphinx IQ (v6)

- Consulting data form surveys created with either Sphinx Plus² (v5) or Sphinx IQ (v6)

- Viewing dashboards created with any SphinxSurvey client software (all versions)

IIS Platform

Account Management and surveys
Emailing, Diffusion

Surveyserver MVC Survey inputs (iQ2 and declic2 surveys)	**Spreadsheet MVC** Data table (iQ2 and declic2 surveys)
Declic2 "full-web« surveys creation and analysis	**Webreporting** results diffusion
SphinxMobile Mobile surveys synchronization	**Community** Panels management

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Project Engineer

Sphinx iQ   Web browser

Respondents

Supervisor / Final Customer

Mobile Operator

Communications protocols
The publication of surveys and data downloading are made under **HTTP/HTTPS**.
Respondents and other speakers all connect to the platform also HTTPS/HTTPS.
Communications between the 2 platform services are HTTP/HTTPS and direct local access.
Emailing modules requires an **SMTP** server.

Data types
Survey data are stored in data files in a proprietary file (exportable to all office standard).
Configuration files and surveys structure are in XML format.
Data related to the identification, access control and mail shipments are stored in **SQL Server** databases.

Security, access control
The safety of publication of accounts is ensured by login/password.
Access to surveys and/or additional modules is controlled by password.
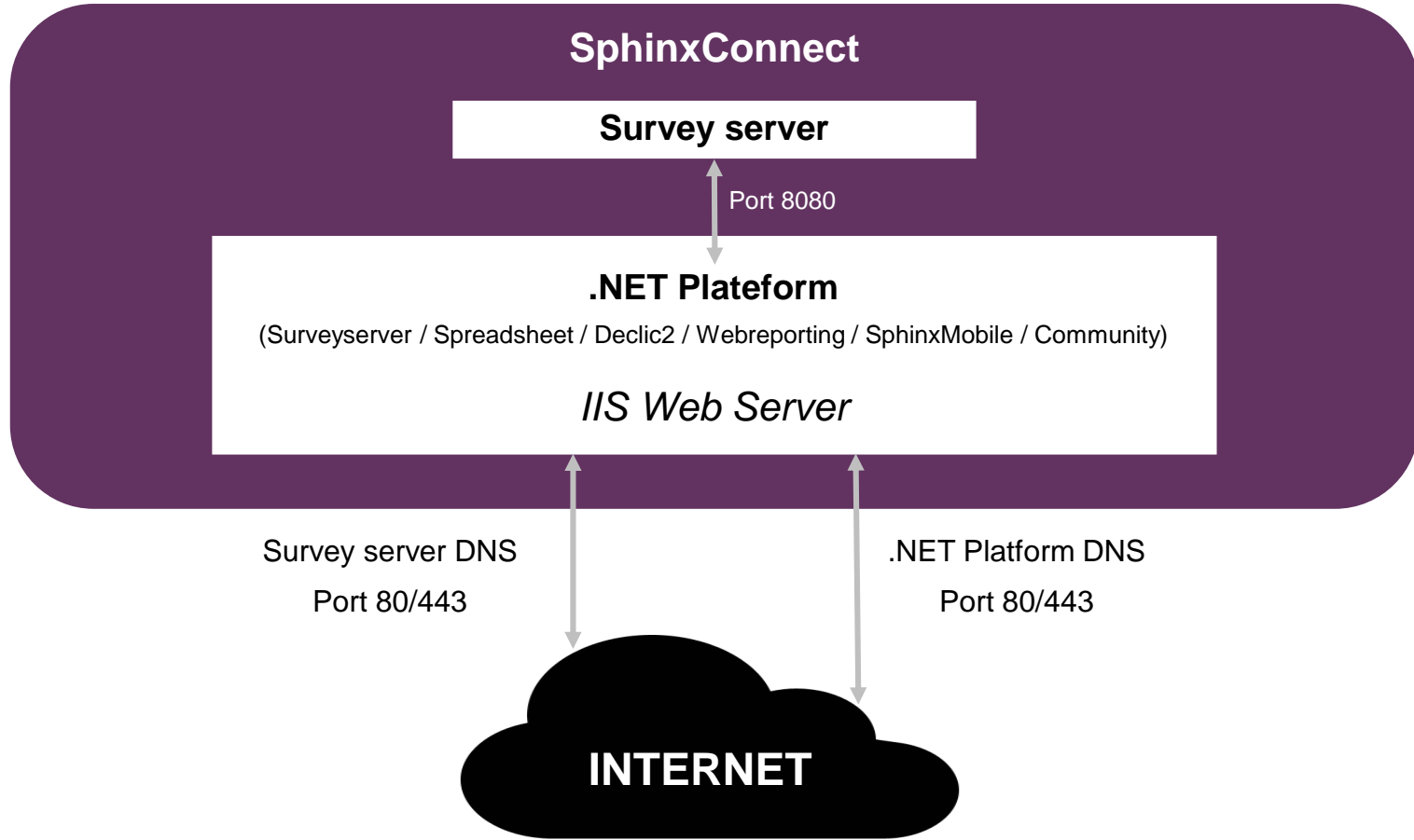**HTTPS** secure communication possible.

Necessary configurations
SphinxConnect server: Windows Server 2008/2012 (R2). Microsoft IIS 7.5 or higher et Framework .NET 3.5.1 et 4.6.
Sphinx iQ client software: Windows XP, Vista, Seven, 8/8.1, Windows 10
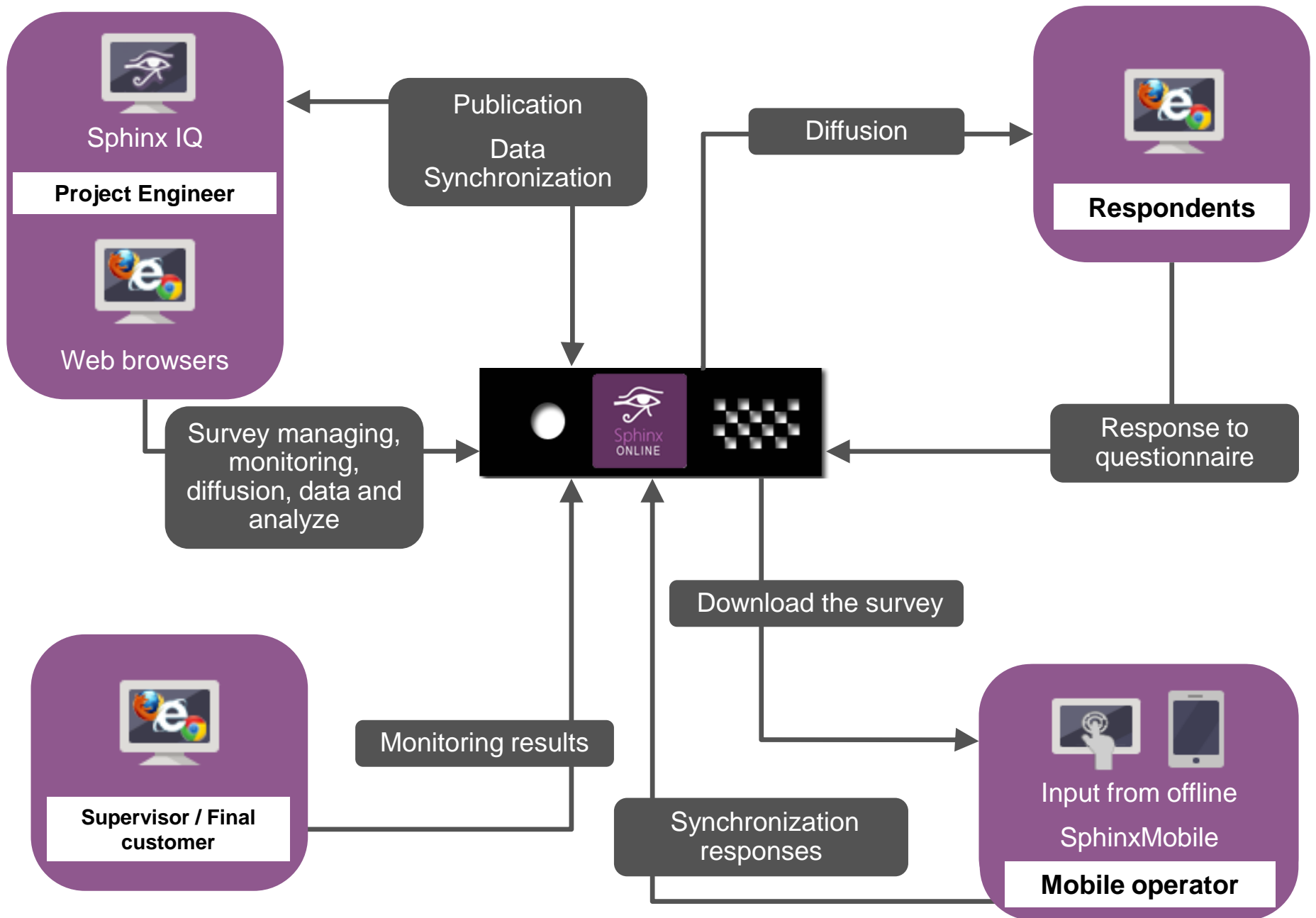
Typical network architecture

Two DNS are visible from Internet using HTTP or HTTPS, one for .NET Plateform and another for the survey server.

These DNS are associated to :

Two distinct IP addresses

One unique IP address if you have a unique SSL certificate valid for both DNS (wildcard or SAN certificate) or you choose HTTP protocol

Sphinx iQ server (software client)

Declic 2 survey (Full Web)

Web browser

Project Engineer

Respondents

Diffusion

Creation/survey managing, monitoring diffusion, data and analyze

Sphinx ONLINE

Response to questionnaire

Download the survey

Monitoring results

Supervisor / Final customer

Synchronization responses

Input from offline SphinxMobile

Mobile operator