Данный пример джейсона был сгенерён по команде

<http://192.168.2.99:5555/GetParamsJson>

Где 192.168.2.99 – айпи сервера в локальной сети.

**1 . Структура Json списка параметров.**

Далее привожу структуру классов по которой генерируется данный Json c типизацией значений и физическим смыслом:

1.2

[DataContract]

public class Parameters

{

[DataMember]

public List<ParameterProxy> ParamList { get; set; }

}

Корень джейсона,

ParamList содержит список - массив «публичных» параметров.(1.3)

Публичные параметры это не в парадигме ООП, а в концепции системы: параметры которыми позволено управлять пользователю.

1.3

[DataContract]

public class ParameterProxy

{

[DataMember]

public string Name { get; set; }

[DataMember]

public string Description { get; set; }

[DataMember]

public int ID { get; set; }

[DataMember]

public int NextParam { get; set; }

[DataMember]

public ParameterTypeValue ParamType { get; set; }

[DataMember]

public string Value { get; set; }

[DataMember]

public CategoryProxy Category{ get; set; }

[DataMember]

public SensorProxy Sensor { get; set; }

[DataMember]

public string ActualValue { get; set; }

}

1.3.1 Name имя параметра, не участвует в интерфейсе пользователя необходима для внутреннего использования при программировании реакций и зависимостей параметра на сервере.

1.3.2 Description видимое пользователю описание параметра, участвует в пользовательском интерфейсе. На его наличие завязан ситль отображение в интерфейсе клиента.

1.3.3 ID уникальный айди параметра необходим для связи с другими параметрами при выстраиваении их в цепочку в процессе отрисовки на клиенте.

1.3.4 NextParam может содержать ссылку на следующий в цепочке парметр в виде ID следующего параметра либо -1 если это последний элемент цепочки.

1.3.5 ParamType один из константных типов параметров определённых в системе (см 1.4)

1.3.6 Value значение параметра сериализованнное в строку сохранённое на сервере(либо выставленное клиентом). Следует учесть, что даже для конкретных типов может сложиться ситуация, когда значение параметра может быть либо пустая строка либо «-». Это связанно с возможными ошибками связи контроллеров и датчиков в процессе работы. Данные значения следует интерпретировать либо как отсутствие возможности управления данным параметром либо значение по умолчанию в зависимости от ситуации.

1.3.7 Category(1.5) – категория параметров. От неё зависит логика отрисовки, сортировки группировки и фильтрации списка параметров по страницам управления и внутри них.

1.3.8 Sensor (1.6) – информация о связанном с данным параметром датчике.

Необходим для опредления диапазонов возможных значений параметра.

Необходим для определения зоны к которой относится параметр.

В случае если параметр не первый в цепочке параметров то зона параметра определяется через первый параметр.

Косвенно связан с категорией параметра.

Не обязателен для всех параметров, важен только для тех параметров у которых актуальное значение может отличаться от заданного.

Пример управление температурой. Клиент выставляет параметр «темпереатура в гостинной» 20°С но датчик температуры связанный с этим параметром может показывать реальное значение температуры 18°С. В интерфейсе определены способы отображения актуального и реального значения для разных типов параметров.

1.3.9 ActualValue соответсвенно текущее реальное значение связанного с параметром датчика(если датчик не связан то значение дублируется из Value (1.3.6)

1.4 Список определённых возможных типов параметров

public enum ParameterTypeValue

{

[TypeAssociation(typeof(bool))]

Bool = 1,

[TypeAssociation(typeof(int))]

Int = 2,

[TypeAssociation(typeof(string))]

String = 3,

[TypeAssociation(typeof(float))]

Float = 4,

[TypeAssociation(typeof(DateTime))]

Time = 5,

}

1.5

[DataContract]

public class CategoryProxy

{

[DataMember]

public string Name { get; set; }

[DataMember]

public int ID { get; set; }

}

1.5.1 Name Имя категории

1.5.2 ID – Уникален в рамках системы (но может быть различным в разных конфигурациях). В данный момент пока список расширяется и концепция не устоялась. Возможно появление иерархии категории, поэтому на начальном этапе разработке рекомендуется привязка по имени с возможностью переведения на ID в последующем для строгости.

1.6 Информация о типе датчика

[DataContract]

public class SensorProxy

{

[DataMember]

public string Name { get; set; }

[DataMember]

public int ID { get; set; }

[DataMember]

public ParameterTypeValue ValueType { get; set; }

[DataMember]

public int MinValue { get; set; }

[DataMember]

public int MaxValue { get; set; }

[DataMember]

public ZoneProxy Zone { get; set; }

}

1.6.1 Имя датчика. Не очень полезная информация для клиента

1.6.2 id датчика

1.6.3 ValueType – тип датчика, должен соответсвовать типу параметра (1.4)

1.6.4 MinValue, MaxValue – диапазон возможных значений в виде целых чисел для конкретных датчиков.

1.6.5 Zone – информация о зоне за которую отвечает датчик.(1.7)

1.7 Зона

[DataContract]

public class ZoneProxy

{

[DataMember]

public string Name { get; set; }

[DataMember]

public int ID { get; set; }

}

1.7.1 Имя зоны. Нужно для отображения зон в клинете и фильтрации сортировки в разных представлениях параметров

1.7.2 ID уникальный ID зоны

Приложение 1. (пример ответа сервера с настроенной конфигурацией и параметрами)

* [JSON](http://countwordsfree.com/jsonviewer)
  + [ParamList: []](http://countwordsfree.com/jsonviewer)
    - [{} [0]](http://countwordsfree.com/jsonviewer)
      * [**ActualValue**: 0](http://countwordsfree.com/jsonviewer)
      * [{} Category](http://countwordsfree.com/jsonviewer)
        + [**ID**: 2004](http://countwordsfree.com/jsonviewer)
        + [**Name**: Климат](http://countwordsfree.com/jsonviewer)
      * [**ID**: 6](http://countwordsfree.com/jsonviewer)
      * [**Name**: Климат - обогрев](http://countwordsfree.com/jsonviewer)
      * [**NextParam**: 7](http://countwordsfree.com/jsonviewer)
      * [**ParamType**: 1](http://countwordsfree.com/jsonviewer)
      * [**Value**: 0](http://countwordsfree.com/jsonviewer)
    - [{} [1]](http://countwordsfree.com/jsonviewer)
      * [**ActualValue**: 1](http://countwordsfree.com/jsonviewer)
      * [{} Category](http://countwordsfree.com/jsonviewer)
        + [**ID**: 2004](http://countwordsfree.com/jsonviewer)
        + [**Name**: Климат](http://countwordsfree.com/jsonviewer)
      * [**ID**: 7](http://countwordsfree.com/jsonviewer)
      * [**Name**: Климат - охлаждение](http://countwordsfree.com/jsonviewer)
      * [**NextParam**: -1](http://countwordsfree.com/jsonviewer)
      * [**ParamType**: 1](http://countwordsfree.com/jsonviewer)
      * [**Value**: 1](http://countwordsfree.com/jsonviewer)
    - [{} [2]](http://countwordsfree.com/jsonviewer)
      * [**ActualValue**: 1](http://countwordsfree.com/jsonviewer)
      * [{} Category](http://countwordsfree.com/jsonviewer)
        + [**ID**: 2004](http://countwordsfree.com/jsonviewer)
        + [**Name**: Климат](http://countwordsfree.com/jsonviewer)
      * [**ID**: 8](http://countwordsfree.com/jsonviewer)
      * [**Name**: Климат - увлажнение](http://countwordsfree.com/jsonviewer)
      * [**NextParam**: 9](http://countwordsfree.com/jsonviewer)
      * [**ParamType**: 1](http://countwordsfree.com/jsonviewer)
      * [**Value**: 1](http://countwordsfree.com/jsonviewer)
    - [{} [3]](http://countwordsfree.com/jsonviewer)
      * [**ActualValue**: 0](http://countwordsfree.com/jsonviewer)
      * [{} Category](http://countwordsfree.com/jsonviewer)
        + [**ID**: 2004](http://countwordsfree.com/jsonviewer)
        + [**Name**: Климат](http://countwordsfree.com/jsonviewer)
      * [**ID**: 9](http://countwordsfree.com/jsonviewer)
      * [**Name**: Климат - осушение](http://countwordsfree.com/jsonviewer)
      * [**NextParam**: -1](http://countwordsfree.com/jsonviewer)
      * [**ParamType**: 1](http://countwordsfree.com/jsonviewer)
      * [**Value**: 0](http://countwordsfree.com/jsonviewer)
    - [{} [4]](http://countwordsfree.com/jsonviewer)
      * [**ActualValue**: 0](http://countwordsfree.com/jsonviewer)
      * [{} Category](http://countwordsfree.com/jsonviewer)
        + [**ID**: 1](http://countwordsfree.com/jsonviewer)
        + [**Name**: Свет](http://countwordsfree.com/jsonviewer)
      * [**ID**: 10](http://countwordsfree.com/jsonviewer)
      * [**Name**: кнопка тестовая](http://countwordsfree.com/jsonviewer)
      * [**NextParam**: -1](http://countwordsfree.com/jsonviewer)
      * [**ParamType**: 1](http://countwordsfree.com/jsonviewer)
      * [**Value**: 0](http://countwordsfree.com/jsonviewer)
    - [{} [5]](http://countwordsfree.com/jsonviewer)
      * [**ActualValue**: 0](http://countwordsfree.com/jsonviewer)
      * [{} Category](http://countwordsfree.com/jsonviewer)
        + [**ID**: 1](http://countwordsfree.com/jsonviewer)
        + [**Name**: Свет](http://countwordsfree.com/jsonviewer)
      * [**Description**: Люстра Эркер](http://countwordsfree.com/jsonviewer)
      * [**ID**: 1002](http://countwordsfree.com/jsonviewer)
      * [**Name**: гостиная эркер](http://countwordsfree.com/jsonviewer)
      * [**NextParam**: 1006](http://countwordsfree.com/jsonviewer)
      * [**ParamType**: 1](http://countwordsfree.com/jsonviewer)
      * [**Value**: 0](http://countwordsfree.com/jsonviewer)
    - [{} [6]](http://countwordsfree.com/jsonviewer)
      * [**ActualValue**: 0](http://countwordsfree.com/jsonviewer)
      * [{} Category](http://countwordsfree.com/jsonviewer)
        + [**ID**: 1](http://countwordsfree.com/jsonviewer)
        + [**Name**: Свет](http://countwordsfree.com/jsonviewer)
      * [**Description**: Люстра Камин](http://countwordsfree.com/jsonviewer)
      * [**ID**: 1003](http://countwordsfree.com/jsonviewer)
      * [**Name**: гостиная основной 1](http://countwordsfree.com/jsonviewer)
      * [**NextParam**: 1004](http://countwordsfree.com/jsonviewer)
      * [**ParamType**: 1](http://countwordsfree.com/jsonviewer)
      * [**Value**: 0](http://countwordsfree.com/jsonviewer)
    - [{} [7]](http://countwordsfree.com/jsonviewer)
      * [**ActualValue**: 0](http://countwordsfree.com/jsonviewer)
      * [{} Category](http://countwordsfree.com/jsonviewer)
        + [**ID**: 1](http://countwordsfree.com/jsonviewer)
        + [**Name**: Свет](http://countwordsfree.com/jsonviewer)
      * [**ID**: 1004](http://countwordsfree.com/jsonviewer)
      * [**Name**: гостиная основной 2](http://countwordsfree.com/jsonviewer)
      * [**NextParam**: 1005](http://countwordsfree.com/jsonviewer)
      * [**ParamType**: 1](http://countwordsfree.com/jsonviewer)
      * [**Value**: 0](http://countwordsfree.com/jsonviewer)
    - [{} [8]](http://countwordsfree.com/jsonviewer)
      * [**ActualValue**: 0](http://countwordsfree.com/jsonviewer)
      * [{} Category](http://countwordsfree.com/jsonviewer)
        + [**ID**: 1](http://countwordsfree.com/jsonviewer)
        + [**Name**: Свет](http://countwordsfree.com/jsonviewer)
      * [**ID**: 1005](http://countwordsfree.com/jsonviewer)
      * [**Name**: гостиная основной 3](http://countwordsfree.com/jsonviewer)
      * [**NextParam**: -1](http://countwordsfree.com/jsonviewer)
      * [**ParamType**: 1](http://countwordsfree.com/jsonviewer)
      * [**Value**: 0](http://countwordsfree.com/jsonviewer)
    - [{} [9]](http://countwordsfree.com/jsonviewer)
      * [**ActualValue**: 65](http://countwordsfree.com/jsonviewer)
      * [{} Category](http://countwordsfree.com/jsonviewer)
        + [**ID**: 1](http://countwordsfree.com/jsonviewer)
        + [**Name**: Свет](http://countwordsfree.com/jsonviewer)
      * [**Description**: Диодная Подсветка](http://countwordsfree.com/jsonviewer)
      * [**ID**: 3011](http://countwordsfree.com/jsonviewer)
      * [**Name**: столовая диоды](http://countwordsfree.com/jsonviewer)
      * [**NextParam**: -1](http://countwordsfree.com/jsonviewer)
      * [**ParamType**: 2](http://countwordsfree.com/jsonviewer)
      * [**Value**: 65](http://countwordsfree.com/jsonviewer)
    - [{} [10]](http://countwordsfree.com/jsonviewer)
      * [**ActualValue**: 1](http://countwordsfree.com/jsonviewer)
      * [{} Category](http://countwordsfree.com/jsonviewer)
        + [**ID**: 1](http://countwordsfree.com/jsonviewer)
        + [**Name**: Свет](http://countwordsfree.com/jsonviewer)
      * [**Description**: Люстра](http://countwordsfree.com/jsonviewer)
      * [**ID**: 3012](http://countwordsfree.com/jsonviewer)
      * [**Name**: столовая люстра](http://countwordsfree.com/jsonviewer)
      * [**NextParam**: -1](http://countwordsfree.com/jsonviewer)
      * [**ParamType**: 1](http://countwordsfree.com/jsonviewer)
      * [**Value**: 1](http://countwordsfree.com/jsonviewer)
    - [{} [11]](http://countwordsfree.com/jsonviewer)
      * [**ActualValue**: 0](http://countwordsfree.com/jsonviewer)
      * [{} Category](http://countwordsfree.com/jsonviewer)
        + [**ID**: 1](http://countwordsfree.com/jsonviewer)
        + [**Name**: Свет](http://countwordsfree.com/jsonviewer)
      * [**Description**: Подсветка](http://countwordsfree.com/jsonviewer)
      * [**ID**: 3013](http://countwordsfree.com/jsonviewer)
      * [**Name**: столовая подсветка](http://countwordsfree.com/jsonviewer)
      * [**NextParam**: -1](http://countwordsfree.com/jsonviewer)
      * [**ParamType**: 1](http://countwordsfree.com/jsonviewer)
      * [**Value**: 0](http://countwordsfree.com/jsonviewer)
    - [{} [12]](http://countwordsfree.com/jsonviewer)
      * [**ActualValue**: 0](http://countwordsfree.com/jsonviewer)
      * [{} Category](http://countwordsfree.com/jsonviewer)
        + [**ID**: 3](http://countwordsfree.com/jsonviewer)
        + [**Name**: Шторы](http://countwordsfree.com/jsonviewer)
      * [**Description**: Открыть](http://countwordsfree.com/jsonviewer)
      * [**ID**: 3014](http://countwordsfree.com/jsonviewer)
      * [**Name**: столовая шторы откр](http://countwordsfree.com/jsonviewer)
      * [**NextParam**: 3015](http://countwordsfree.com/jsonviewer)
      * [**ParamType**: 1](http://countwordsfree.com/jsonviewer)
      * [**Value**: 0](http://countwordsfree.com/jsonviewer)
    - [{} [13]](http://countwordsfree.com/jsonviewer)
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      * [{} Category](http://countwordsfree.com/jsonviewer)
        + [**ID**: 3](http://countwordsfree.com/jsonviewer)
        + [**Name**: Шторы](http://countwordsfree.com/jsonviewer)
      * [**Description**: Стоп](http://countwordsfree.com/jsonviewer)
      * [**ID**: 3015](http://countwordsfree.com/jsonviewer)
      * [**Name**: столовая шторы стоп](http://countwordsfree.com/jsonviewer)
      * [**NextParam**: 3016](http://countwordsfree.com/jsonviewer)
      * [**ParamType**: 1](http://countwordsfree.com/jsonviewer)
      * [**Value**: 0](http://countwordsfree.com/jsonviewer)
    - [{} [14]](http://countwordsfree.com/jsonviewer)
      * [**ActualValue**: 1](http://countwordsfree.com/jsonviewer)
      * [{} Category](http://countwordsfree.com/jsonviewer)
        + [**ID**: 1](http://countwordsfree.com/jsonviewer)
        + [**Name**: Свет](http://countwordsfree.com/jsonviewer)
      * [**Description**: Люстра](http://countwordsfree.com/jsonviewer)
      * [**ID**: 3023](http://countwordsfree.com/jsonviewer)
      * [**Name**: кухня люстра 1](http://countwordsfree.com/jsonviewer)
      * [**NextParam**: 3024](http://countwordsfree.com/jsonviewer)
      * [**ParamType**: 1](http://countwordsfree.com/jsonviewer)
      * [**Value**: 1](http://countwordsfree.com/jsonviewer)
    - [{} [15]](http://countwordsfree.com/jsonviewer)
      * [**ActualValue**: 1](http://countwordsfree.com/jsonviewer)­­­­
      * [{} Category](http://countwordsfree.com/jsonviewer)
        + [**ID**: 1](http://countwordsfree.com/jsonviewer)
        + [**Name**: Свет](http://countwordsfree.com/jsonviewer)
      * [**ID**: 3024](http://countwordsfree.com/jsonviewer)
      * [**Name**: кухня люстра 2](http://countwordsfree.com/jsonviewer)
      * [**NextParam**: -1](http://countwordsfree.com/jsonviewer)
      * [**ParamType**: 1](http://countwordsfree.com/jsonviewer)
      * [**Value**: 1](http://countwordsfree.com/jsonviewer)
    - [{} [16]](http://countwordsfree.com/jsonviewer)
      * [**ActualValue**: 0](http://countwordsfree.com/jsonviewer)
      * [{} Category](http://countwordsfree.com/jsonviewer)
        + [**ID**: 1](http://countwordsfree.com/jsonviewer)
        + [**Name**: Свет](http://countwordsfree.com/jsonviewer)
      * [**Description**: Бра](http://countwordsfree.com/jsonviewer)
      * [**ID**: 3025](http://countwordsfree.com/jsonviewer)
      * [**Name**: кухня бра](http://countwordsfree.com/jsonviewer)
      * [**NextParam**: -1](http://countwordsfree.com/jsonviewer)
      * [**ParamType**: 1](http://countwordsfree.com/jsonviewer)
      * [**Value**: 0](http://countwordsfree.com/jsonviewer)
    - [{} [17]](http://countwordsfree.com/jsonviewer)
      * [**ActualValue**: 65](http://countwordsfree.com/jsonviewer)
      * [{} Category](http://countwordsfree.com/jsonviewer)
        + [**ID**: 1](http://countwordsfree.com/jsonviewer)
        + [**Name**: Свет](http://countwordsfree.com/jsonviewer)
      * [**Description**: Подсветка](http://countwordsfree.com/jsonviewer)
      * [**ID**: 3026](http://countwordsfree.com/jsonviewer)
      * [**Name**: кухня подсветка](http://countwordsfree.com/jsonviewer)
      * [**NextParam**: -1](http://countwordsfree.com/jsonviewer)
      * [**ParamType**: 2](http://countwordsfree.com/jsonviewer)
      * [**Value**: 65](http://countwordsfree.com/jsonviewer)
    - [{} [18]](http://countwordsfree.com/jsonviewer)
      * [**ActualValue**: 0](http://countwordsfree.com/jsonviewer)
      * [{} Category](http://countwordsfree.com/jsonviewer)
        + [**ID**: 3](http://countwordsfree.com/jsonviewer)
        + [**Name**: Шторы](http://countwordsfree.com/jsonviewer)
      * [**Description**: Открыть](http://countwordsfree.com/jsonviewer)
      * [**ID**: 3027](http://countwordsfree.com/jsonviewer)
      * [**Name**: кухня шторы откр](http://countwordsfree.com/jsonviewer)
      * [**NextParam**: 3028](http://countwordsfree.com/jsonviewer)
      * [**ParamType**: 1](http://countwordsfree.com/jsonviewer)
      * [**Value**: 0](http://countwordsfree.com/jsonviewer)
    - [{} [19]](http://countwordsfree.com/jsonviewer)
      * [**ActualValue**: 0](http://countwordsfree.com/jsonviewer)
      * [{} Category](http://countwordsfree.com/jsonviewer)
        + [**ID**: 3](http://countwordsfree.com/jsonviewer)
        + [**Name**: Шторы](http://countwordsfree.com/jsonviewer)
      * [**Description**: Стоп](http://countwordsfree.com/jsonviewer)
      * [**ID**: 3028](http://countwordsfree.com/jsonviewer)
      * [**Name**: кухня шторы стоп](http://countwordsfree.com/jsonviewer)
      * [**NextParam**: 3029](http://countwordsfree.com/jsonviewer)
      * [**ParamType**: 1](http://countwordsfree.com/jsonviewer)
      * [**Value**: 0](http://countwordsfree.com/jsonviewer)
    - [{} [20]](http://countwordsfree.com/jsonviewer)
      * [**ActualValue**: 0](http://countwordsfree.com/jsonviewer)
      * [{} Category](http://countwordsfree.com/jsonviewer)
        + [**ID**: 3](http://countwordsfree.com/jsonviewer)
        + [**Name**: Шторы](http://countwordsfree.com/jsonviewer)
      * [**Description**: Закрыть](http://countwordsfree.com/jsonviewer)
      * [**ID**: 3029](http://countwordsfree.com/jsonviewer)
      * [**Name**: кухня шторы закр](http://countwordsfree.com/jsonviewer)
      * [**NextParam**: -1](http://countwordsfree.com/jsonviewer)
      * [**ParamType**: 1](http://countwordsfree.com/jsonviewer)
      * [**Value**: 0](http://countwordsfree.com/jsonviewer)
    - [{} [21]](http://countwordsfree.com/jsonviewer)
      * [**ActualValue**: 30](http://countwordsfree.com/jsonviewer)
      * [{} Category](http://countwordsfree.com/jsonviewer)
        + [**ID**: 4](http://countwordsfree.com/jsonviewer)
        + [**Name**: Температура](http://countwordsfree.com/jsonviewer)
      * [**Description**: Температура](http://countwordsfree.com/jsonviewer)
      * [**ID**: 3037](http://countwordsfree.com/jsonviewer)
      * [**Name**: зад темп. гостиная](http://countwordsfree.com/jsonviewer)
      * [**NextParam**: 6](http://countwordsfree.com/jsonviewer)
      * [**ParamType**: 4](http://countwordsfree.com/jsonviewer)
      * [**Value**: 30](http://countwordsfree.com/jsonviewer)
    - [{} [22]](http://countwordsfree.com/jsonviewer)
      * [**ActualValue**: 55](http://countwordsfree.com/jsonviewer)
      * [{} Category](http://countwordsfree.com/jsonviewer)
        + [**ID**: 1002](http://countwordsfree.com/jsonviewer)
        + [**Name**: Влажность](http://countwordsfree.com/jsonviewer)
      * [**Description**:](http://countwordsfree.com/jsonviewer)
      * [**ID**: 3038](http://countwordsfree.com/jsonviewer)
      * [**Name**: тек вл. гостиная](http://countwordsfree.com/jsonviewer)
      * [**NextParam**: -1](http://countwordsfree.com/jsonviewer)
      * [**ParamType**: 2](http://countwordsfree.com/jsonviewer)
      * [**Value**: 55](http://countwordsfree.com/jsonviewer)
    - [{} [23]](http://countwordsfree.com/jsonviewer)
      * [**ActualValue**: 57](http://countwordsfree.com/jsonviewer)
      * [{} Category](http://countwordsfree.com/jsonviewer)
        + [**ID**: 1002](http://countwordsfree.com/jsonviewer)
        + [**Name**: Влажность](http://countwordsfree.com/jsonviewer)
      * [**Description**: Влажность](http://countwordsfree.com/jsonviewer)
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    - [{} [24]](http://countwordsfree.com/jsonviewer)
      * [**ActualValue**: 30](http://countwordsfree.com/jsonviewer)
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      * [**Description**: Вентиляция](http://countwordsfree.com/jsonviewer)
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      * [**ID**: 3046](http://countwordsfree.com/jsonviewer)
      * [**Name**: тек темп столовая](http://countwordsfree.com/jsonviewer)
      * [**NextParam**: 3047](http://countwordsfree.com/jsonviewer)
      * [**ParamType**: 4](http://countwordsfree.com/jsonviewer)
      * [**Value**: 15](http://countwordsfree.com/jsonviewer)
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      * [**ActualValue**: 30](http://countwordsfree.com/jsonviewer)
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        + [**Name**: Температура](http://countwordsfree.com/jsonviewer)
      * [**ID**: 3047](http://countwordsfree.com/jsonviewer)
      * [**Name**: зад темп столовая](http://countwordsfree.com/jsonviewer)
      * [**NextParam**: 6](http://countwordsfree.com/jsonviewer)
      * [**ParamType**: 4](http://countwordsfree.com/jsonviewer)
      * [**Value**: 30](http://countwordsfree.com/jsonviewer)
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      * [**Name**: тек темп кухня](http://countwordsfree.com/jsonviewer)
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      * [**ID**: 3055](http://countwordsfree.com/jsonviewer)
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        + [**Name**: Климат](http://countwordsfree.com/jsonviewer)
      * [**Description**: Вятяжка](http://countwordsfree.com/jsonviewer)
      * [**ID**: 3057](http://countwordsfree.com/jsonviewer)
      * [**Name**: Вентиляция кухня](http://countwordsfree.com/jsonviewer)
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      * [**Value**: 0](http://countwordsfree.com/jsonviewer)
  + Структура классов и их типов на C#